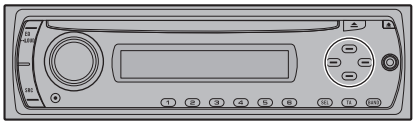
Pioneer sound.vision.soul

Service Manual



DVH-3900MP/XZ/EW5

ORDER NO.
CRT3988

DVD RDS RECEIVER

DVH-3900MP/XZ/EW5

DVD RECEIVER

DVH-390MP/XZ/RE
DVH-3950MP/XZ/RC
DVH-3950MP/XZ/RD
DVH-3950MP/XZ/RI

Manufactured under license from Dolby Laboratories. "Dolby" and the double-D symbol are trademarks of Dolby Laboratories.

For details, refer to "Important Check Points for Good Servicing".

PIONEER CORPORATION 4-1, Meguro 1-chome, Meguro-ku, Tokyo 153-8654, Japan
PIONEER ELECTRONICS (USA) INC. P.O. Box 1760, Long Beach, CA 90801-1760, U.S.A.
PIONEER EUROPE NV Haven 1087, Keetberglaan 1, 9120 Melsele, Belgium
PIONEER ELECTRONICS ASIACENTRE PTE. LTD. 253 Alexandra Road, #04-01, Singapore 159936
ⓒ**PIONEER CORPORATION 2007**

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SAFETY INFORMATION

This service manual is intended for qualified service technicians; it is not meant for the casual do-it-yourselfer.
Qualified technicians have the necessary test equipment and tools, and have been trained to properly and safely repair complex products such as those covered by this manual.
Improperly performed repairs can adversely affect the safety and reliability of the product and may void the warranty.
If you are not qualified to perform the repair of this product properly and safely, you should not risk trying to do so and refer the repair to a qualified service technician.

1. Safety Precautions for those who Service this Unit.

- **Follow the adjustment steps in the service manual when servicing this unit. When checking or adjusting the emitting power of the laser diode exercise caution in order to get safe, reliable results.**

Caution:

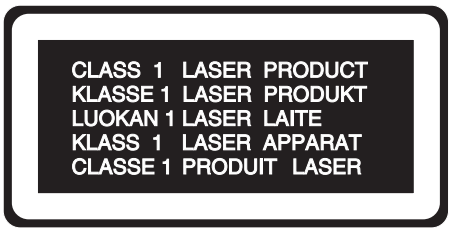
1. During repair or tests, minimum distance of 13 cm from the focus lens must be kept.
2. During repair or tests, do not view laser beam for 10 seconds or longer.

2. The trianglar label is attached to the mechanism unit frame.

CAUTION
This product contains a laser diode of higher class than 1. To ensure continued safety, do not remove any covers or attempt to gain access to the inside of the product.
Refer all servicing to qualified personnel.

The following caution label appears on your unit.

On the bottom of the this unit.



WARNING!
The AEL (accessible emission level) of the laser power output is less than CLASS 1 but the laser component is capable of emitting radiation exceeding the limit for CLASS 1.
A specially instructed person should do servicing operation of the apparatus.

Laser diode characteristics
Wave length:
DVD : 640 nm to 660 nm
CD : 775 nm to 805 nm
Maximum output:
DVD : 1.37 mW(Emitting period : 9 sec.)
CD : 710 uW(Emitting period : unlimited)

Additional Laser Caution

Transistors Q1101 in PCB drive the laser diodes for DVD and CD respectively. When Q1101 is shorted between their terminals, the laser diodes for DVD or CD will radiate beam. If the top cover is removed with no disc loaded while such short-circuit is continued, the naked eyes may be exposed to the laser beam.

CAUTION

Danger of explosion if battery is incorrectly replaced.
Replaced only with the same or equivalent type recommended by the manufacture.
Discord used batteries according to the manufacture's instructions.

[Important Check Points for Good Servicing]

In this manual, procedures that must be performed during repairs are marked with the below symbol.
Please be sure to confirm and follow these procedures.

1. Product safety

Please conform to product regulations (such as safety and radiation regulations), and maintain a safe servicing environment by following the safety instructions described in this manual.

① Use specified parts for repair.

Use genuine parts. Be sure to use important parts for safety.

② Do not perform modifications without proper instructions.

Please follow the specified safety methods when modification(addition/change of parts) is required due to interferences such as radio/TV interference and foreign noise.

③ Make sure the soldering of repaired locations is properly performed.

When you solder while repairing, please be sure that there are no cold solder and other debris.
Soldering should be finished with the proper quantity. (Refer to the example)

④ Make sure the screws are tightly fastened.

Please be sure that all screws are fastened, and that there are no loose screws.

⑤ Make sure each connectors are correctly inserted.

Please be sure that all connectors are inserted, and that there are no imperfect insertion.

⑥ Make sure the wiring cables are set to their original state.

Please replace the wiring and cables to the original state after repairs.
In addition, be sure that there are no pinched wires, etc.

⑦ Make sure screws and soldering scraps do not remain inside the product.

Please check that neither solder debris nor screws remain inside the product.

⑧ There should be no semi-broken wires, scratches, melting, etc. on the coating of the power cord.

Damaged power cords may lead to fire accidents, so please be sure that there are no damages.
If you find a damaged power cord, please exchange it with a suitable one.

⑨ There should be no spark traces or similar marks on the power plug.

When spark traces or similar marks are found on the power supply plug, please check the connection and advise on secure connections and suitable usage. Please exchange the power cord if necessary.

⑩ Safe environment should be secured during servicing.

When you perform repairs, please pay attention to static electricity, furniture, household articles, etc. in order to prevent injuries.
Please pay attention to your surroundings and repair safely.

2. Adjustments

To keep the original performance of the products, optimum adjustments and confirmation of characteristics within specification.
Adjustments should be performed in accordance with the procedures/instructions described in this manual.

3. Lubricants, Glues, and Replacement parts

Use grease and adhesives that are equal to the specified substance.
Make sure the proper amount is applied.

4. Cleaning

For parts that require cleaning, such as optical pickups, tape deck heads, lenses and mirrors used in projection monitors, proper cleaning should be performed to restore their performances.

5. Shipping mode and Shipping screws

To protect products from damages or failures during transit, the shipping mode should be set or the shipping screws should be installed before shipment. Please be sure to follow this method especially if it is specified in this manual.

CONTENTS

SAFETY INFORMATION 2
1. SERVICE PRECAUTIONS 6
1.1 SERVICE PRECAUTIONS 6
1.2 NOTES ON SOLDERING 6
2. SPECIFICATIONS 7
2.1 SPECIFICATIONS 7
2.2 DISC/CONTENT FORMAT 9
2.3 PANEL FACILITIES 10
2.4 CONNECTION DIAGRAM 13
3. BASIC ITEMS FOR SERVICE 14
3.1 CHECK POINTS AFTER SERVICING 14
3.2 JIGS LIST 15
3.3 CLEANING 15
4. BLOCK DIAGRAM 16
4.1 BLOCK DIAGRAM 16
5. DIAGNOSIS 20
5.1 OPERATIONAL FLOWCHART 20
5.2 CONNECTOR FUNCTION DESCRIPTION 37
6. SERVICE MODE 38
6.1 DVD MECHANISM TEST MODE 38
6.2 HOW TO CONFIRM THE SOFTWARE VERSION 38
7. DISASSEMBLY 39
8. EACH SETTING AND ADJUSTMENT 41
9. EXPLODED VIEWS AND PARTS LIST 42
9.1 EXTERIOR 42
9.2 MECHANISM ASSEMBLY 45
10. SCHEMATIC DIAGRAM 46
10.1 PCB ASSEMBLY, MAIN(1/2)(GUIDE PAGE) 46
10.2 PCB ASSEMBLY, MAIN(2/2) 52
10.3 PCB ASSEMBLY, FRONT,HAND INSERT PCB ASSEMBLY, SUB AND AUTO SMT PCB ASSEMBLY, DISPLAY 54
10.4 OPTION CODE ASSENBLY(1/3) 56
10.5 OPTION CODE ASSENBLY(2/3) 58
10.6 OPTION CODE ASSENBLY(3/3) 60
10.7 WAVEFORMS 62
11. PCB CONNECTION DIAGRAM 74
11.1 PCB ASSEMBLY, MAIN 74
11.2 PCB ASSEMBLY, FRONT 78
11.3 OPTION CODE ASSENBLY 80
11.4 HAND INSERT PCB ASSEMBLY, SUB AND AUTO SMT PCB ASSEMBLY, DISPLAY 84
12. ELECTRICAL PARTS LIST 85

1. SERVICE PRECAUTIONS

1.1 SERVICE PRECAUTIONS

● Service Precaution

1. Always disconnect the power source before:

1) Removing or reinstalling any component, circuit board, module or any other instrument assembly.
2) Disconnecting or reconnecting any instrument electrical plug or other electrical connection.
3) Connecting a test substitute in parallel with an electrolytic capacitor in the instrument.

CAUTION: A wrong part substitution or incorrect polarity installation of electrolytic capacitors may result in an explosion hazard.

2. Do not defeat any plug/socket B+ voltage interlocks with which instruments covered by this service manual might be equipped.

3. Do not apply power to this instrument and or any of its electrical assemblies unless all solid-state device heat sinks are correctly installed.

4. Always connect a test instrument's ground lead to the instrument chassis ground before connecting the test instrument positive lead. Always remove the test instrument ground lead last.

1) The service precautions are indicated or printed on the cabinet, chassis or components. When servicing, follow the printed or indicated service precautions and service materials.
2) The Components used in the unit have a specified conflammability and dielectric strength. When replacing any components, use components which have the same ratings. Components marked in the circuit diagram are important for safety or for the characteristics of the unit. Always replace with the exact components.
3) An insulation tube or tape is sometimes used and some components are raised above the printed writing board for safety. The internal wiring is sometimes clamped to prevent contact with heating components. Install them as they were.
4) After servicing always check that the removed screws, components and wiring have been installed correctly and that the portion around the service part has not been damaged. Further check the insulation between the blades of attachment plug and accessible conductive parts.

5. IC1503 (EEPROM) on Option Code Ass'y can not be supplied as a service part, because it needs unique data writing.
If IC1503 is defective, replace whole of Option Code Ass'y.

6. This model can playback only 12cm discs.

1.2 NOTES ON SOLDERING

NOTES ON SOLDERING

● For environmental protection, lead-free solder is used on the printed circuit boards mounted in this unit.
Be sure to use lead-free solder and a soldering iron that can meet specifications for use with lead-free solders for repairs accompanied by reworking of soldering.

● Compared with conventional eutectic solders, lead-free solders have higher melting points, by approximately 40°C.
Therefore, for lead-free soldering, the tip temperature of a soldering iron must be set to around 373 °C in general, although the temperature depends on the heat capacity of the PC board on which reworking is required and the weight of the tip of the soldering iron.

Compared with eutectic solders, lead-free solders have higher bond strengths but slower wetting times and higher melting temperatures (hard to melt/easy to harden).

The following lead-free solders are available as service parts:
● Parts numbers of lead-free solder:
GYP1006 1.0 in dia.
GYP1007 0.6 in dia.
GYP1008 0.3 in dia.

2. SPECIFICATIONS

2.1 SPECIFICATIONS

DVH-3900MP/XZ/EW5

General

Rated power source ..... 14.4 V DC
Grounding system ..... Negative type
Max. current consumption
..... 10.0 A
Backup current ..... Less than 5 mA
Dimensions (W × H × D):
DIN
Chassis ..... 178 × 50 × 169 mm
Nose ..... 188 × 58 × 22 mm
D
Chassis ..... 178 × 50 × 177 mm
Nose ..... 171 × 46 × 14 mm
Weight ..... 1.7 kg

Audio

Maximum power output ..... 45 W × 4
Load impedance ..... 4 Ω

DVD Player

Region number 2
Frequency response ..... 20 Hz to 20 kHz
Signal-to-noise ratio ..... 90 dB
Distortion ..... 0.1 % (1 kHz)
Number of channels ..... 2 (stereo)
Channel separation (1 kHz)
..... 70 dB

FM tuner

Frequency range ..... 87.5 MHz to 108 MHz
Usable sensitivity ..... 12 dBμV
S/N ratio ..... 55 dB
Distortion ..... 0.7 %

MW tuner

Frequency range ..... 522 kHz to 1 620 kHz
Usable sensitivity ..... 28 dBμV
S/N ratio ..... 45 dB

AUX

Frequency response ..... 20 Hz to 20 kHz
S/N ratio ..... 80 dB
Distortion ..... 0.05 %
Channel separation (1 kHz)
..... 45 dB
Maximum input level ..... 1.2 V (35 kΩ)

DVH-390MP/XZ/RE

General

Rated power source ..... 14.4 V DC
Grounding system ..... Negative type
Max. current consumption
..... 10.0 A
Backup current ..... Less than 5 mA
Dimensions (W × H × D):
DIN
Chassis ..... 178 × 50 × 169 mm
Nose ..... 188 × 58 × 22 mm
D
Chassis ..... 178 × 50 × 177 mm
Nose ..... 171 × 46 × 14 mm
Weight ..... 1.7 kg

Audio

Maximum power output ..... 45 W × 4
Load impedance ..... 4 Ω

DVD Player

Region number 5
Frequency response ..... 20 Hz to 20 kHz
Signal-to-noise ratio ..... 90 dB
Distortion ..... 0.1 % (1 kHz)
Number of channels ..... 2 (stereo)
Channel separation (1 kHz)
..... 70 dB

FM tuner

Frequency range ..... 87.5 MHz to 108 MHz
65 MHz to 74 MHz
Usable sensitivity ..... 12 dBμV
S/N ratio ..... 55 dB
Distortion ..... 0.7 %

MW tuner

Frequency range ..... 522 kHz to 1 620 kHz
Usable sensitivity ..... 28 dBμV
S/N ratio ..... 45 dB

AUX

Frequency response ..... 20 Hz to 20 kHz
S/N ratio ..... 80 dB
Distortion ..... 0.05 %
Channel separation (1 kHz)
..... 45 dB
Maximum input level ..... 1.2 V (35 kΩ)

DVH-3950MP/XZ/RC

General

Rated power source ..... 14.4 V DC
Grounding system ..... Negative type
Max. current consumption
..... 10.0 A
Backup current ..... Less than 5 mA
Dimensions (W × H × D):
DIN
Chassis ..... 178 × 50 × 169 mm
Nose ..... 188 × 58 × 22 mm
D
Chassis ..... 178 × 50 × 177 mm
Nose ..... 171 × 46 × 14 mm
Weight ..... 1.7 kg

Audio

Maximum power output ..... 45 W × 4
Load impedance ..... 4 Ω

DVD Player

Region number 3
Frequency response ..... 20 Hz to 20 kHz
Signal-to-noise ratio ..... 90 dB
Distortion ..... 0.1 % (1 kHz)
Number of channels ..... 2 (stereo)
Channel separation (1 kHz)
..... 70 dB

FM tuner

Frequency range ..... 87.5 MHz to 108 MHz
Usable sensitivity ..... 12 dBμV
S/N ratio ..... 55 dB
Distortion ..... 0.7 %

AM tuner

Frequency range ..... 522 kHz to 1 620 kHz
Usable sensitivity ..... 28 dBμV
S/N ratio ..... 45 dB

AUX

Frequency response ..... 20 Hz to 20 kHz
S/N ratio ..... 80 dB
Distortion ..... 0.05 %
Channel separation (1 kHz)
..... 45 dB
Maximum input level ..... 1.2 V (35 kΩ)

DVH-3950MP/XZ/RD

General

Rated power source ..... 14.4 V DC
Grounding system ..... Negative type
Max. current consumption
..... 10.0 A
Backup current ..... Less than 5 mA
Dimensions (W × H × D):
DIN
Chassis ..... 178 × 50 × 169 mm
Nose ..... 188 × 58 × 22 mm
D
Chassis ..... 178 × 50 × 177 mm
Nose ..... 171 × 46 × 14 mm
Weight ..... 1.7 kg

Audio

Maximum power output ..... 45 W × 4
Load impedance ..... 4 Ω

DVD Player

Region number 4
Frequency response ..... 20 Hz to 20 kHz
Signal-to-noise ratio ..... 90 dB
Distortion ..... 0.1 % (1 kHz)
Number of channels ..... 2 (stereo)
Channel separation (1 kHz)
..... 70 dB

FM tuner

Frequency range ..... 87.5 MHz to 108 MHz
Usable sensitivity ..... 12 dBμV
S/N ratio ..... 55 dB
Distortion ..... 0.7 %

AM tuner

Frequency range ..... 520 kHz to 1 720 kHz
522 kHz to 1 620 kHz
Usable sensitivity ..... 28 dBμV
S/N ratio ..... 45 dB

AUX

Frequency response ..... 20 Hz to 20 kHz
S/N ratio ..... 80 dB
Distortion ..... 0.05 %
Channel separation (1 kHz)
..... 45 dB
Maximum input level ..... 1.2 V (35 kΩ)

DVH-3950MP/XZ/RI

General

Rated power source ..... 14.4 V DC
Grounding system ..... Negative type
Max. current consumption
..... 10.0 A
Backup current ..... Less than 5 mA
Dimensions (W × H × D):
DIN
Chassis ..... 178 × 50 × 169 mm
Nose ..... 188 × 58 × 22 mm
D
Chassis ..... 178 × 50 × 177 mm
Nose ..... 171 × 46 × 14 mm
Weight ..... 1.7 kg

Audio

Maximum power output ..... 45 W × 4
Load impedance ..... 4 Ω

DVD Player

Region number 2
Frequency response ..... 20 Hz to 20 kHz
Signal-to-noise ratio ..... 90 dB
Distortion ..... 0.1 % (1 kHz)
Number of channels ..... 2 (stereo)
Channel separation (1 kHz)
..... 70 dB

FM tuner

Frequency range ..... 87.5 MHz to 108 MHz
Usable sensitivity ..... 12 dBμV
S/N ratio ..... 55 dB
Distortion ..... 0.7 %

AM tuner

Frequency range ..... 522 kHz to 1 620 kHz
Usable sensitivity ..... 28 dBμV
S/N ratio ..... 45 dB

AUX

Frequency response ..... 20 Hz to 20 kHz
S/N ratio ..... 80 dB
Distortion ..... 0.05 %
Channel separation (1 kHz)
..... 45 dB
Maximum input level ..... 1.2 V (35 kΩ)

Note

Specifications and the design are subject to modifications without notice due to improvements. ■

2.2 DISC/CONTENT FORMAT

DVD (12 cm disc)

Video CD (VCD) (12 cm disc)

Audio CD (12 cm disc)

In addition, this unit plays DVD±R, DVD±RW and CD-R or CD-RW containing audio, compressed audio, photo or movie files.

- Depending on the conditions of the recording equipment or the CD-R/RW (or DVD ±R/±RW) disc itself, some CD-R/RW (or DVD±R/±RW) discs cannot be played on the unit.
- Do not attach any seal or label to either side (the labeled side or the recorded side) of a disc.
- Do not use irregularly shaped CDs (e.g., heart-shaped or octagonal). It may result in malfunctions.

Notes

- is a trademark of DVD Format/Logo Licensing Corporation.
- This player can only play back discs bearing the marks shown above.

Notes on DVDs and Video CDs

Some playback operations of DVDs and Video CDs may be intentionally programmed by software manufacturers.

This unit plays DVDs and Video CDs according to disc contents designed by the software manufacturer, therefore some playback features may not be available or other functions may be added.

Features

Dolby Digital/DTS compatibility

- Manufactured under license from Dolby Laboratories. "Dolby" and the double-D symbol are trademarks of Dolby Laboratories.

- "DTS" and "DTS Digital Out" are registered trademarks of DTS, Inc.

Notes

- It is forbidden by law to copy, broadcast, show, broadcast via cable, play in public, or rent copyrighted material without permission.
- This product features the copy protection function developed by Macrovision. Copy protection signals are recorded on some discs. When playing the pictures of these discs on a unit, picture noise will appear.
- This product incorporates copyright protection technology that is protected by method claims of certain U.S. patents and other intellectual property rights owned by Macrovision Corporation and other rights owners. Use of this copyright protection technology must be authorized by Macrovision Corporation, and is intended for home and other limited viewing uses only unless otherwise authorized by Macrovision Corporation. Reverse engineering or disassembly is prohibited.

About WMA

The Windows Media™ logo printed on the box indicates that this unit can play back WMA data.
WMA is short for Windows Media Audio and refers to an audio compression technology that is developed by Microsoft Corporation.
WMA data can be encoded by using Windows Media Player version 7 or later.

- Windows Media and the Windows logo are trademarks or registered trademarks of Microsoft Corporation in the United States and/or other countries.
- This unit may not operate correctly depending on the application used to encode WMA files.

About MP3

Supply of this product only conveys a license for private, non-commercial use and does not convey a license nor imply any right to use this product in any commercial (i.e. revenue-generating) real time broadcasting (terrestrial, satellite, cable and/or any other media), broadcasting/streaming via internet, intranets and/or other networks or in other electronic content distribution systems, such as pay-audio or audio-on-demand applications. An independent license for such use is required. For details, please visit http://www.mp3licensing.com.

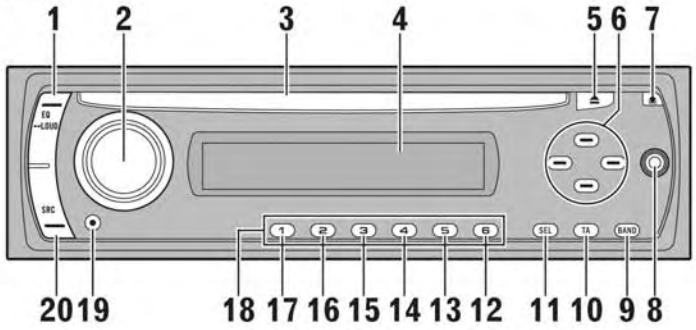
About DivX

DivX is a compressed digital video format created by the DivX® video codec from DivX, Inc. This unit can play DivX video files recorded on CD-R/RW/ROM and DVD-R/RW/ROM discs. Keeping the same terminology as DVD video, individual DivX video files are called "Titles". Keep in mind that when naming flies/titles on a CD-R/RW or DVD-R/RW disc prior to burning, they will by played in written order by default.
Official DivX® Certified product
Plays all versions of DivX® video (including DivX® 6) with standard playback of DivX® media files

- DivX, DivX Certified, and associated logos are trademarks of DivX, Inc. and are used under license.

2.3 PANEL FACILITIES

● **DVH-3900MP/XZ/EW5**



What's What

1 EQ/⊷LOUD
- Equalizer (**EQ**)
- Loudness (⊷**LOUD**)

2 VOL/MUTE/⊷OFF
- Volume (**VOL**)
- Mute (**MUTE**)
- Off (⊷**OFF**)

3 Disc Slot

4 Display Window

5 Eject ⏏

6 ▲/▼/◄/►
- Skip/Search ◄/►
- Seek/Tune ◄/►
- Folder Up/Down ▲/▼
- Select (**SEL**)

7 Release

8 AUX input jack (3.5 mm stereo jack)

9 BAND

10 TA/⊷PTY
- Traffic Announcement (**TA**)
- Program Type (⊷**PTY**)

11 SEL/⊷MENU
- Select (**SEL**)
- Menu (⊷**MENU**)

12 D.MENU

13 D.SETUP

14 SHUFFLE

15 Repeat (RPT)

16 Intro Scan (SCAN)

17 ENT/►/PAUSE
- Play/Pause (►/**PAUSE**)
- Enter (**ENT**)

18 Preset Station (1 to 6)

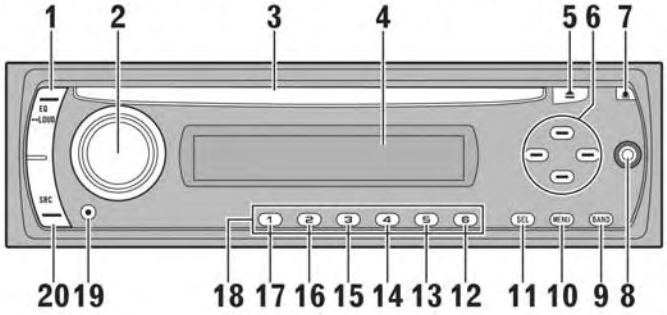
19 Display (DISP)

20 Source (SRC)

Note

⊷ indicates the button operation (hold) activates the particular function. ■

● DVH-390MP/XZ/RE, DVH-3950MP/XZ/RC,DVH-3950MP/XZ/RD,DVH-3950MP/XZ/RI



What's What

1 EQ/⊷LOUD
- Equalizer (**EQ**)
- Loudness (**⊷LOUD**)

2 VOL/MUTE/⊷OFF
- Volume (**VOL**)
- Mute (**MUTE**)
- Off (**⊷OFF**)

3 Disc Slot

4 Display Window

5 Eject ⏏

6 ▲/▼/◄/►
- Skip/Search ◄/►
- Seek/Tune ◄/►
- Folder Up/Down ▲/▼
- Select (**SEL**)

7 Release

8 AUX input jack (3.5 mm stereo jack)

9 BAND

10 Menu (MENU)

11 Select (SEL)

12 D.MENU

13 D.SETUP

14 SHUFFLE

15 Repeat (RPT)

16 Intro Scan (SCAN)

17 ENT/►/PAUSE
- Play/Pause (**►/PAUSE**)
- Enter (**ENT**)

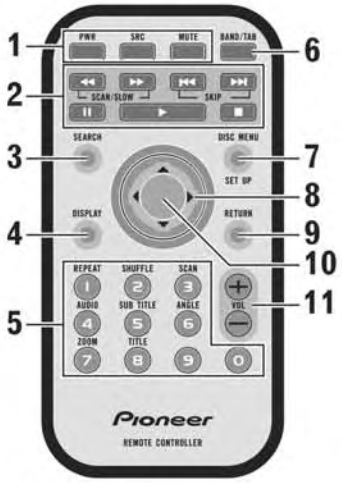
18 Preset Station (1 to 6)

19 CLOCK

20 Source (SRC)

Note

⊷ indicates the button operation (hold) activates the particular function.



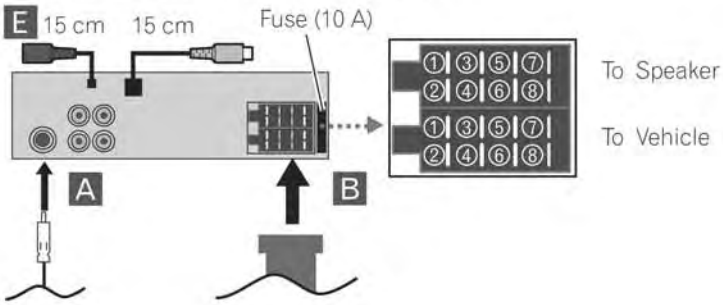
What's What

1	**PWR**	Switches the unit ON/OFF.
	SRC	Selects a source.
	MUTE	Mutes the volume.
2	**SKIP** I◄◄/►►I	Goes to the next (previous) chapter, track or file. Returns to the beginning of the current chapter, track, or file.
	SCAN/SLOW ◄◄/►►	Backward (Forward) search playback.
	PAUSE II	Pause playback temporarily. Press repeatedly for frame-by-frame playback.
	PLAY ►	Starts playback.
	STOP ■	Stops playback.
3	**SEARCH**	Selects a track or file.
4	**DISPLAY**	Accesses On-Screen display.
5	**0** to **9** number buttons	Selects numbered items in the menu. Selects a stored radio station frequency (**1** to **6**).
	REPEAT	Repeats chapter, track, title or file.
	SHUFFLE	Plays tracks or files in random order.
	SCAN	Plays the first 10 seconds of all track.
	AUDIO	Selects audio language.
	SUB TITLE	Selects subtitle language.
	ANGLE	Selects a DVD camera angle if available.
	ZOOM	Enlarges video image.
	TITLE	Displays title menu, if available.
6	**BAND/TAB**	Selects three FM and MW bands. Moves to any other file on the disc with various types of files.
7	**DISC MENU/SET UP**	Accesses menu on a DVD disc. Accesses or removes the Setup menu.
8	▲/▼/◄/► (up/down/left/right)	Selects an item in the menu.
9	**RETURN**	Displays the menu of a video CD with PBC.
10	**ENTER**	Confirms menu selection.
11	**VOL** (UP +/ DOWN –)	Adjusts the volume level.

2.4 CONNECTION DIAGRAM

Before connecting, make sure that the ignition switch is set to OFF and remove the battery ⊖ terminal to avoid short circuits.

Connecting with the ISO connector



A From antenna

B Pin and the function of the ISO connector

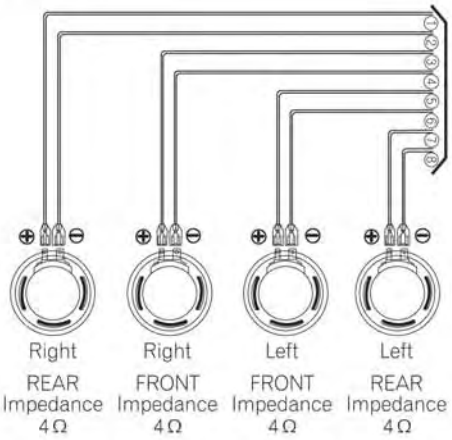
To Speaker
① Rear right ⊕
② Rear right ⊖
③ Front right ⊕
④ Front right ⊖
⑤ Front left ⊕
⑥ Front left ⊖
⑦ Rear left ⊕
⑧ Rear left ⊖

To Vehicle
① Not used.
② Not used.
③ Phone mute
④ Back up
⑤ System remote control
⑥ Illumination
⑦ Accessory
⑧ Chassis ground

Attention
The connector wiring may vary depending on the car manufacturer, even when ISO connectors are used. We recommend to check the car's wiring provision before connecting the car stereo. Please pay particular attention to pin 5, where a misconnection might cause damage to the car or radio. Take special care when installing into '98 or later VW/Audi/Skoda/Seat models as there may be a 12 V connection on Pin 5, which could damage the car stereo or into Ford from '97 or later, with an ISO connector, on which damage to the car's microcomputers is possible if misconnected. Use of ISO connector adapters available on the market may facilitate installation.

E Wired remote input (EW5, RE)
Hard-wired remote control adaptor can be connected (sold separately).

To Speaker



① Violet
Rear right⊕
② Violet/black
Rear right⊖
③ Gray
Front right⊕
④ Gray/black
Front right⊖
⑤ White
Front left⊕
⑥ White/black
Front left⊖
⑦ Green
Rear left⊕
⑧ Green/black
Rear left⊖

3. BASIC ITEMS FOR SERVICE

3.1 CHECK POINTS AFTER SERVICING

To keep the product quality after servicing, please confirm following check points.

No.		Procedures	Item to be confirmed	Remark
1		Confirm whether the customer complain has been solved. If the customer complain occurs with the specific media, use it for the operation check.	The customer complain must not be reappeared. Display, video, audio and operations must be normal.	
2	DVD	Play back a DVD. (Menu operation; Title/chapter search)	Display, video, audio and operations must be normal.	
3	CD	Play back a CD. (Track search)	Display, audio and operations must be normal.	
4	FM/AM tuner	Check FM/AM tuner action. (Seek, Preset) Switch band to check both FM and AM.	Display, audio and operations must be normal.	
5		Check whether no disc is inside the product.	The media used for the operating check must be ejected.	
6		Appearance check	No scratches or dirt on its appearance after receiving it for service.	

For check items concerning image and voice, please refer to the followings:

Check items concerning image	**Check items concerning voice**
Block-noise	Distortion
Crosscut noise	Noise
Dot noise	Low volume
Distorted image (Image skip)	High volume
Low brightness	Changes in level
Too bright	Pause of sound
Color fading	
Partial discoloration	

3.2 JIGS LIST

● **Jigs List**

Name	Jig No.	Remarks
Service remote control	GGF1604	

● **Grease List**

Name	Jig No.	Remarks
Grease	GEM1046	

3.3 CLEANING

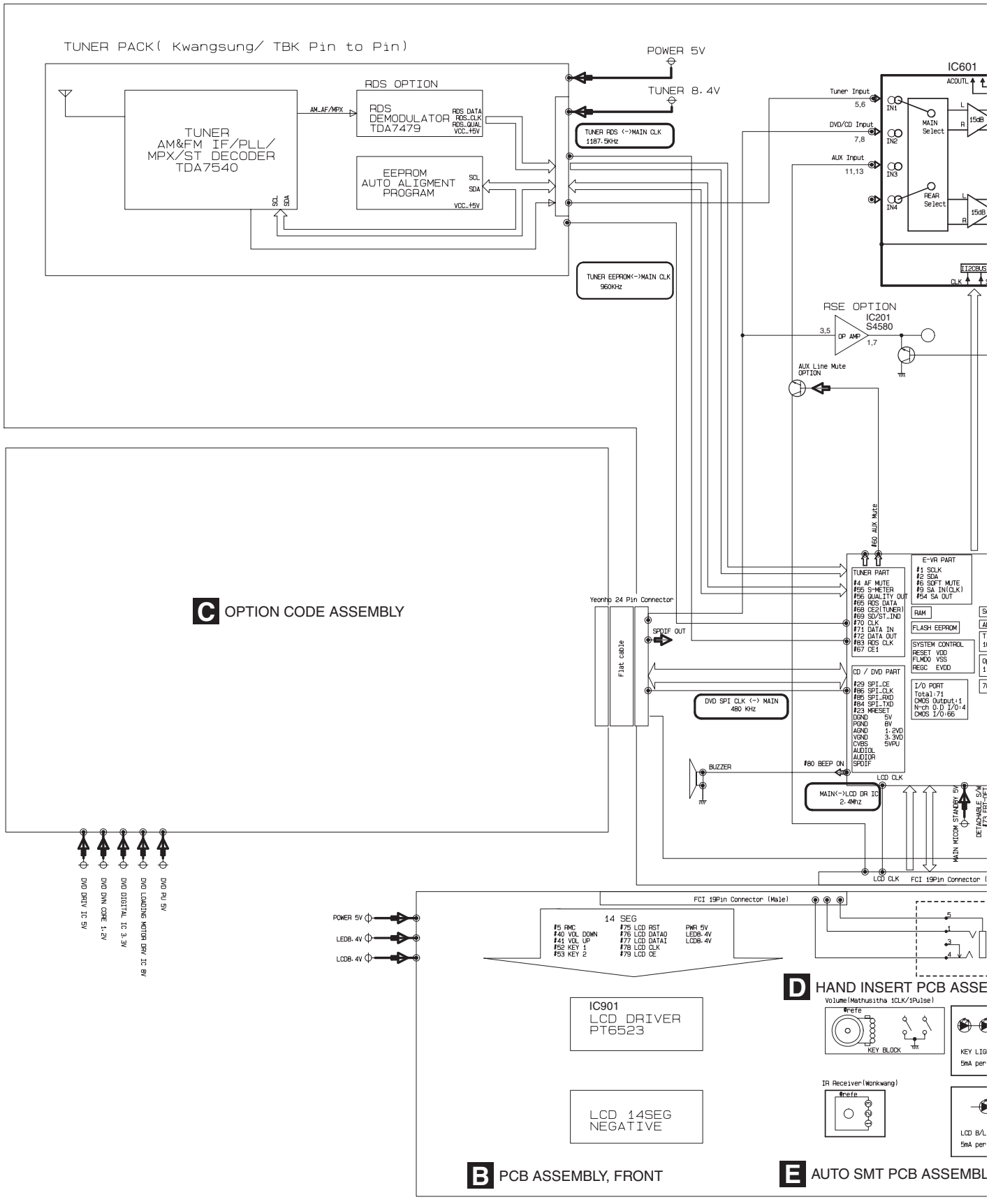
Before shipping out the product, be sure to clean the following portions by using the prescribed cleaning tools:

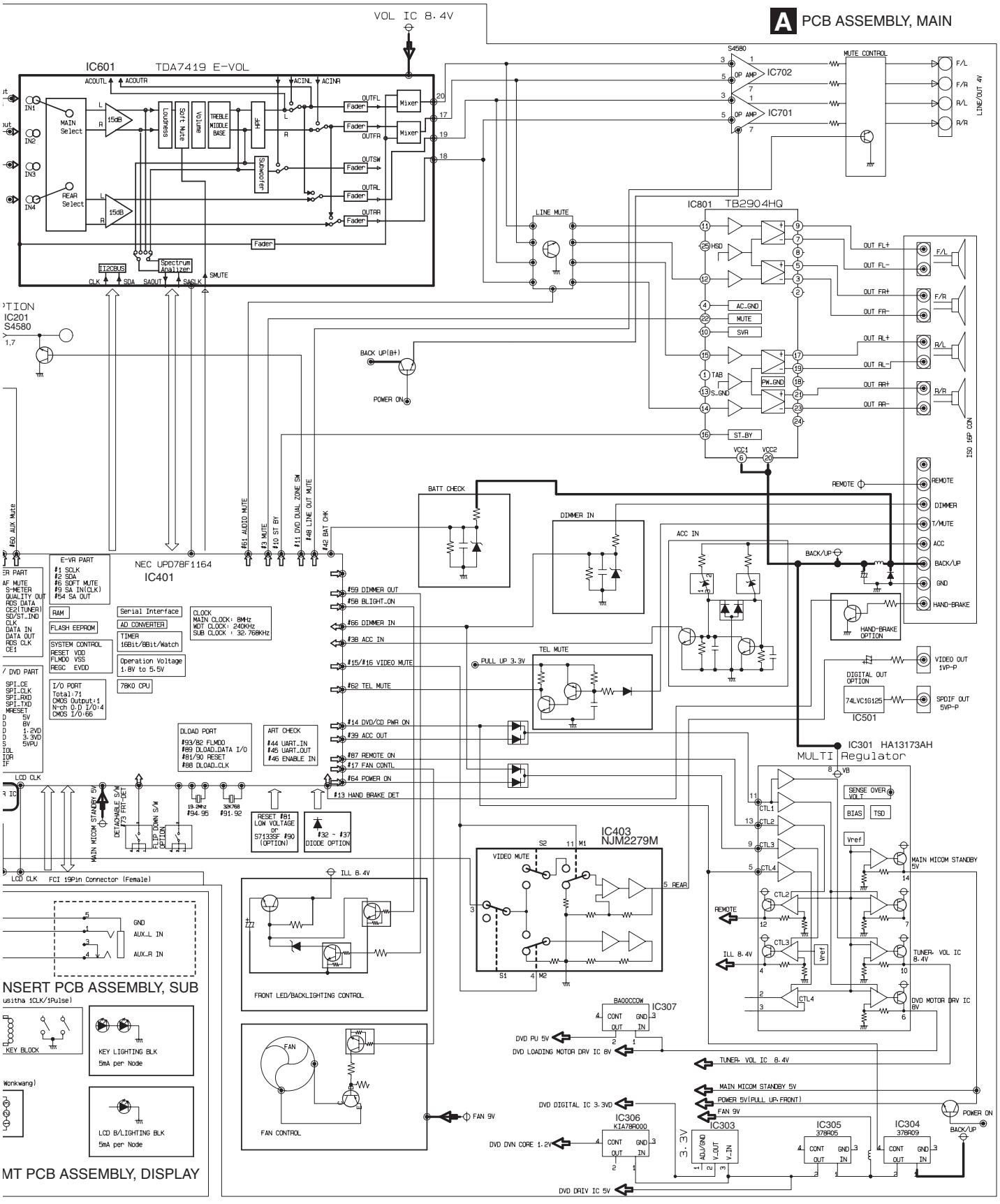
Portions to be cleaned	Cleaning tools
DVD pickup lenses	Cleaning liquid : GEM1004 Cleaning paper : GED-008

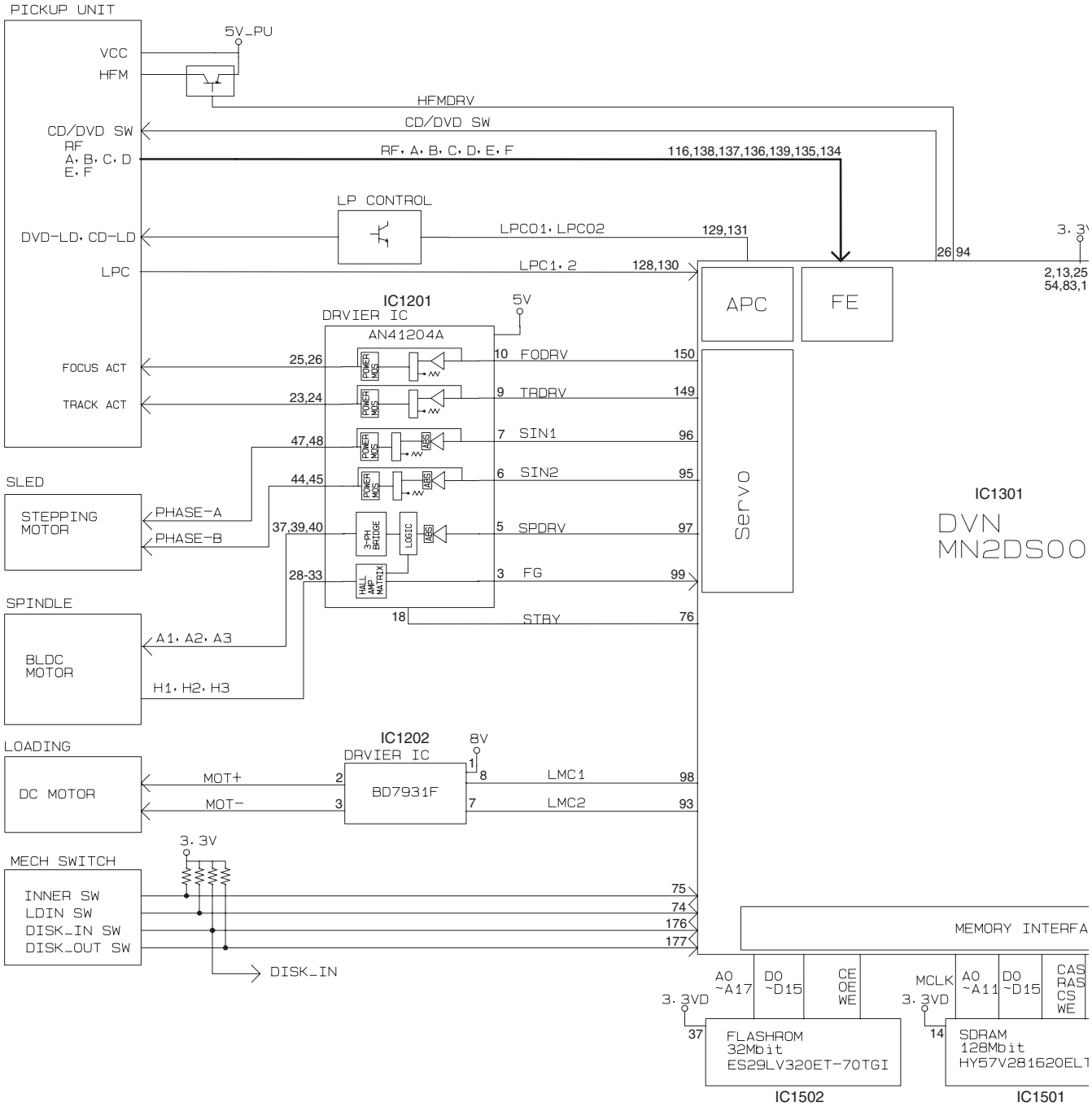
Portions to be cleaned	Cleaning tools
Fans	Cleaning paper : GED-008

4. BLOCK DIAGRAM

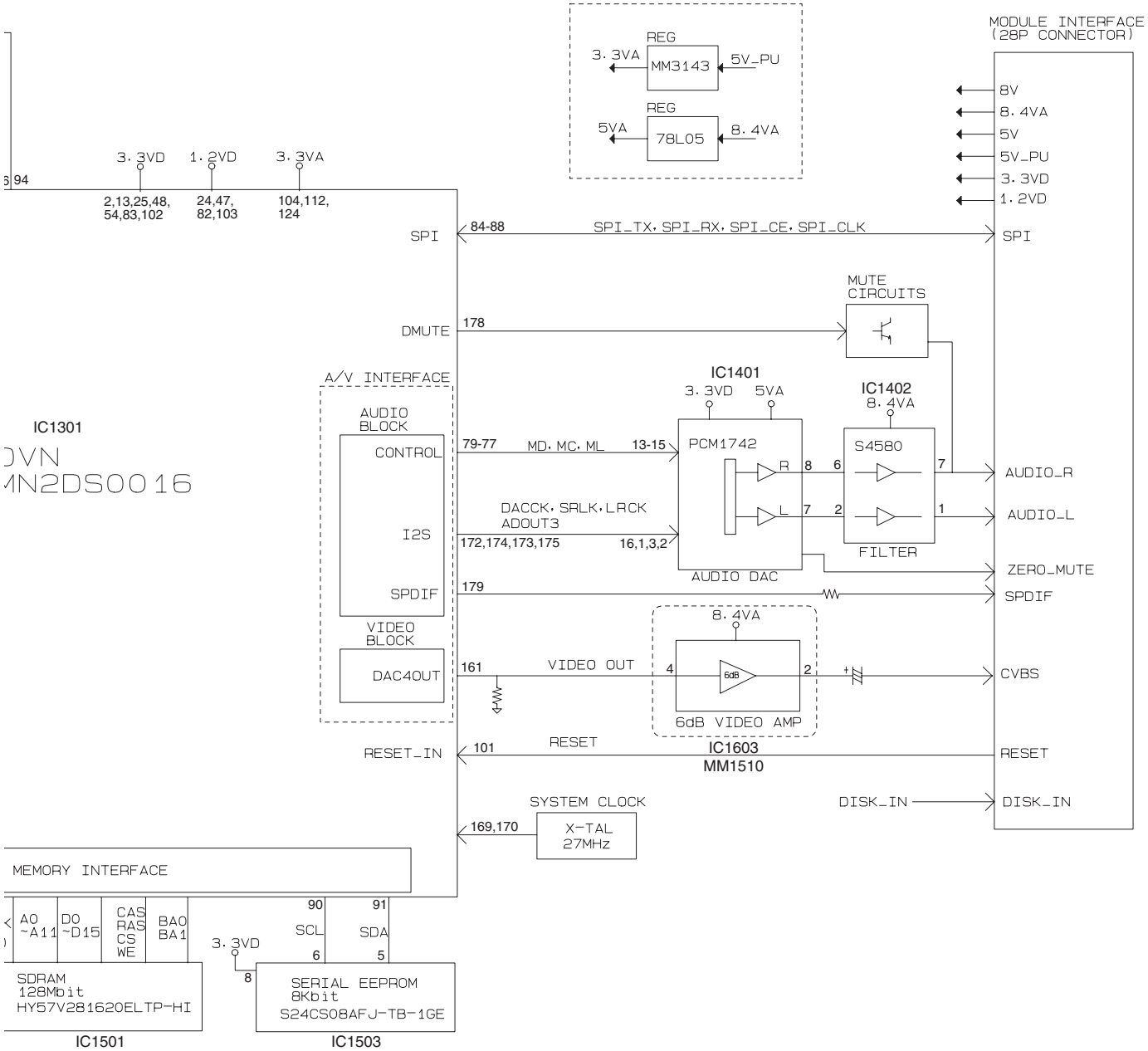
4.1 BLOCK DIAGRAM




A PCB ASSEMBLY, MAIN
VOL IC 8.4V
IC601 TDA7419 E-VOL
IC702
IC701
IC801 TB2904HQ
IC401
NEC UPD78F1164
IC403 NJM2279M
IC301 HA13173AH
MULTI Regulator
IC501
IC307
IC306
IC303
IC305
IC304
MUTE CONTROL
LINE MUTE
BACK UP(B+)
POWER ON
BATT CHECK
DIMMER IN
ACC IN
TEL MUTE
PULL UP 3.3V
VIDEO MUTE
HAND-BRAKE OPTION
DIGITAL OUT OPTION
FRONT LED/BACKLIGHTING CONTROL
FAN CONTROL
FAN 9V
DVD DIGITAL IC 3.3VD
DVD DVN CORE 1.2V
DVD DRIV IC 5V
DVD PU 5V
DVD LOADING MOTOR DRV IC 8V
TUNER. VOL IC 8.4V
MAIN MICOM STANDBY 5V
POWER 5V(PULL UP-FRONT)
FCI 19Pin Connector (Female)
INSERT PCB ASSEMBLY, SUB
KEY BLOCK
KEY LIGHTING BLK
5mA per Node
LCD B/LIGHTING BLK
5mA per Node
MT PCB ASSEMBLY, DISPLAY

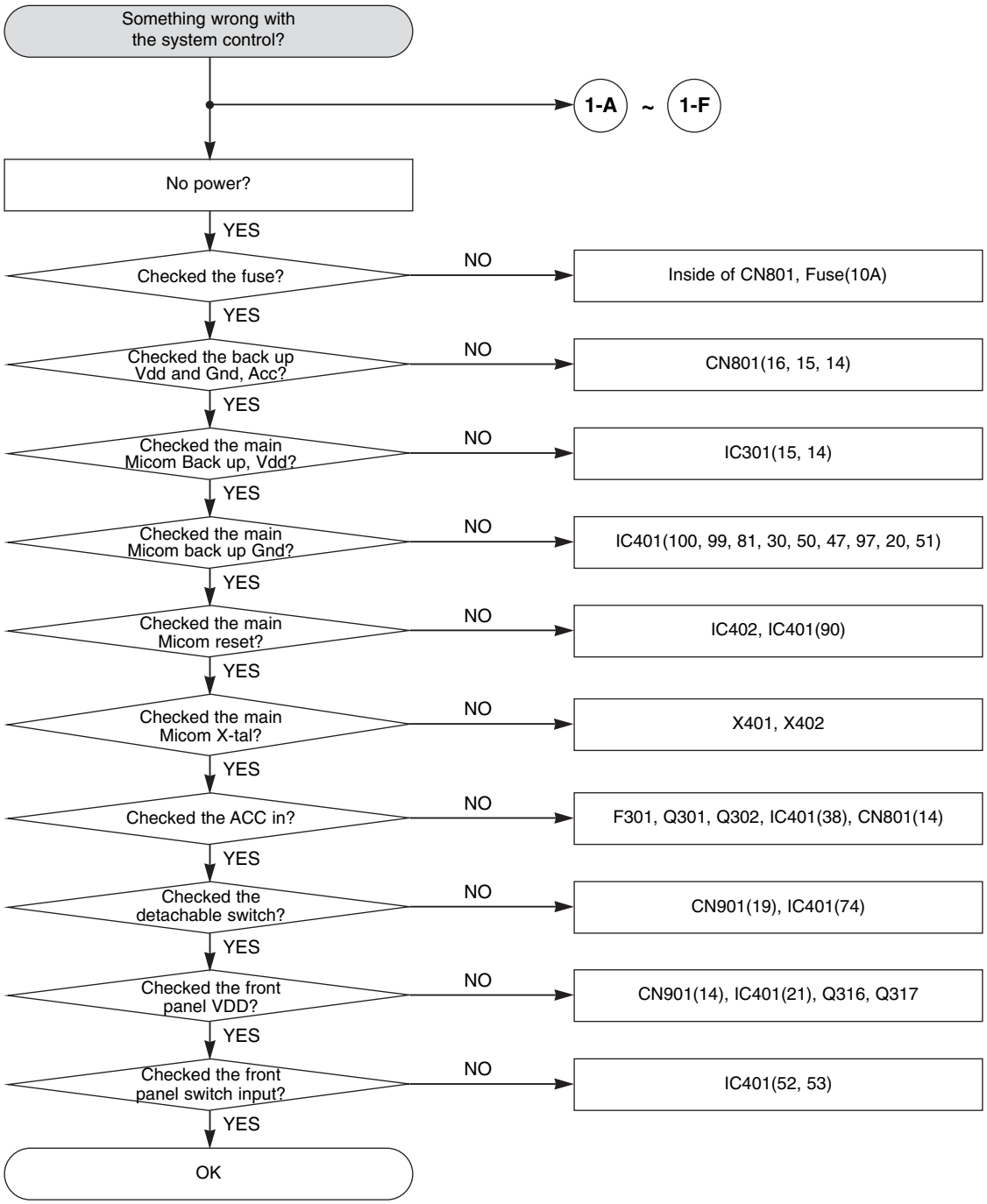

PICKUP UNIT
VCC
HFM
5V_PU
HFMDRV
CD/DVD SW
CD/DVD SW
RF
A, B, C, D
E, F
RF, A, B, C, D, E, F
116,138,137,136,139,135,134
LP CONTROL
DVD-LD, CD-LD
LPCO1, LPCO2
129,131
LPC
LPC1, 2
128,130
26,94
2,13,25
54,83,1
IC1201
DRVIER IC
AN41204A
5V
APC
FE
FOCUS ACT
25,26
10 FODRV
150
TRACK ACT
23,24
9 TRDRV
149
47,48
7 SIN1
96
44,45
6 SIN2
95
SLED
STEPPING
MOTOR
PHASE-A
PHASE-B
37,39,40
5 SPDRV
97
28-33
3 FG
99
18
STBY
76
Servo
IC1301
DVN
MN2DS00
SPINDLE
BLDC
MOTOR
A1, A2, A3
H1, H2, H3
LOADING
DC MOTOR
IC1202
DRVIER IC
BD7931F
8V
MOT+
MOT-
LMC1
98
LMC2
93
MECH SWITCH
INNER SW
LDIN SW
DISK_IN SW
DISK_OUT SW
3.3V
DISK_IN
75
74
176
177
MEMORY INTERFA
A0
~A17
D0
~D15
CE
OE
WE
3.3VD
37
FLASHROM
32Mbit
ES29LV320ET-70TGI
IC1502
MCLK
A0
~A11
D0
~D15
CAS
RAS
CS
WE
14
SDRAM
128Mbit
HY57V281620EL
IC1501

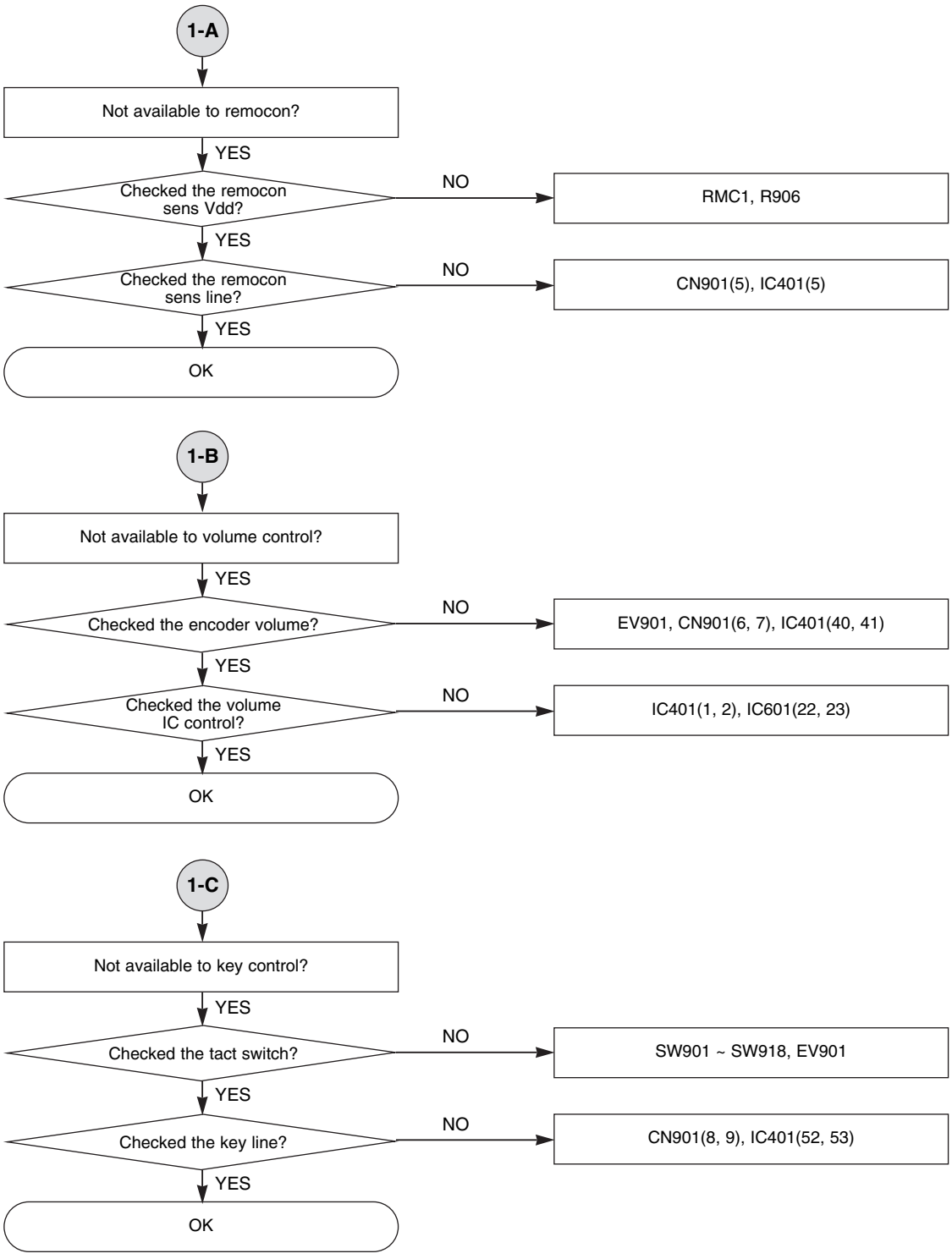
C OPTION CODE ASSEMBLY

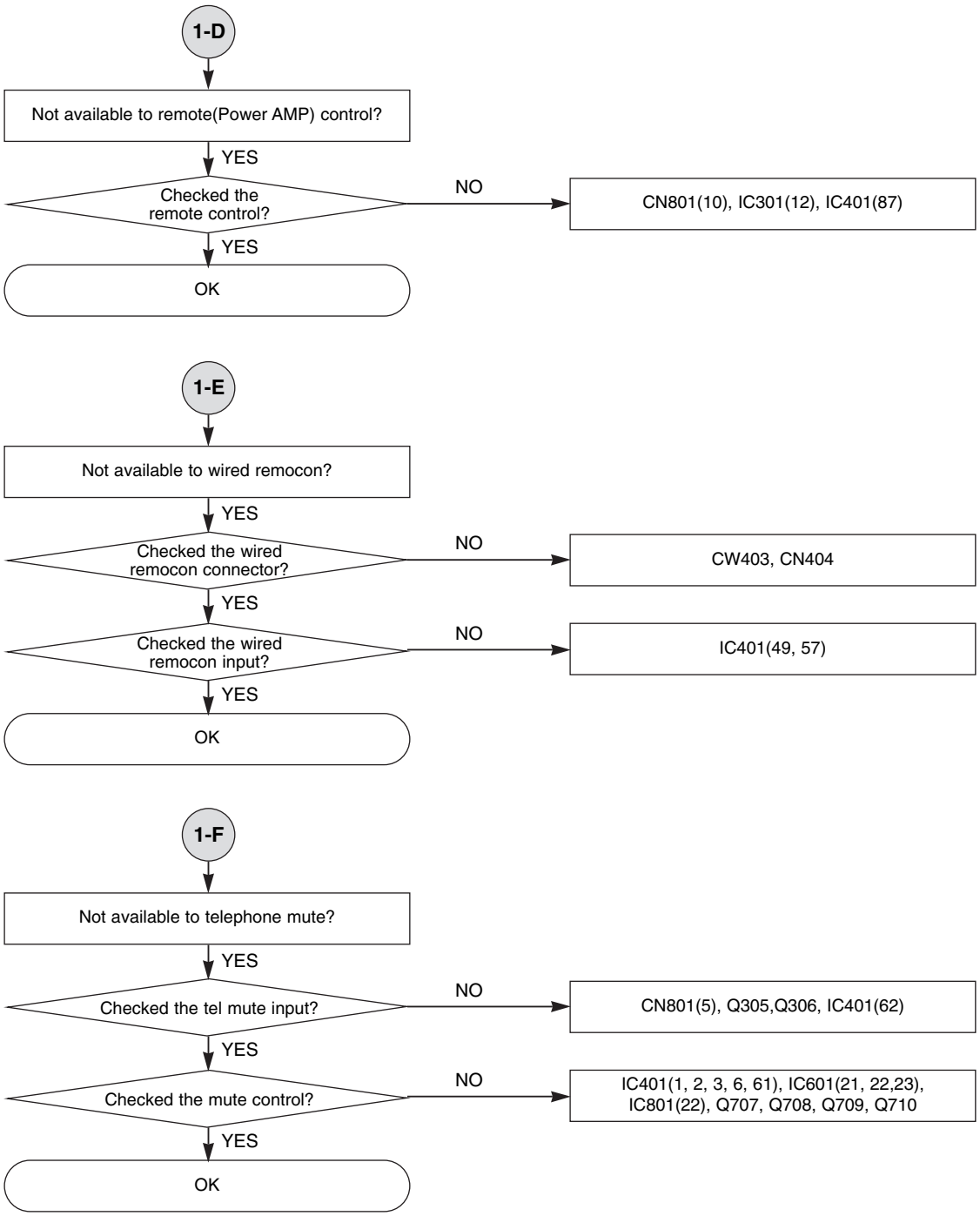


5. DIAGNOSIS
5.1 OPERATIONAL FLOWCHART

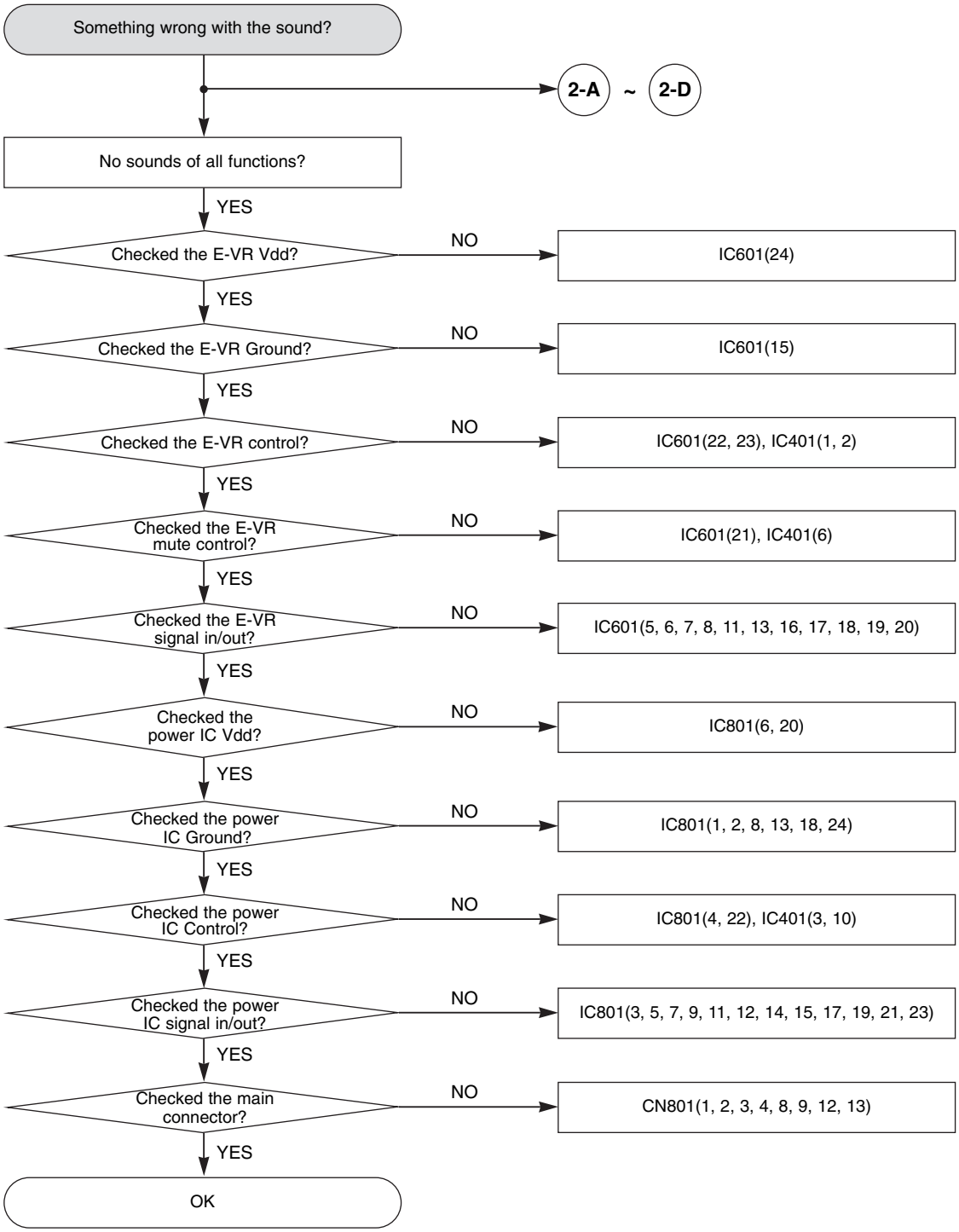
1. SYSTEM CONTROL ERROR CORRECTION FLOW CHART

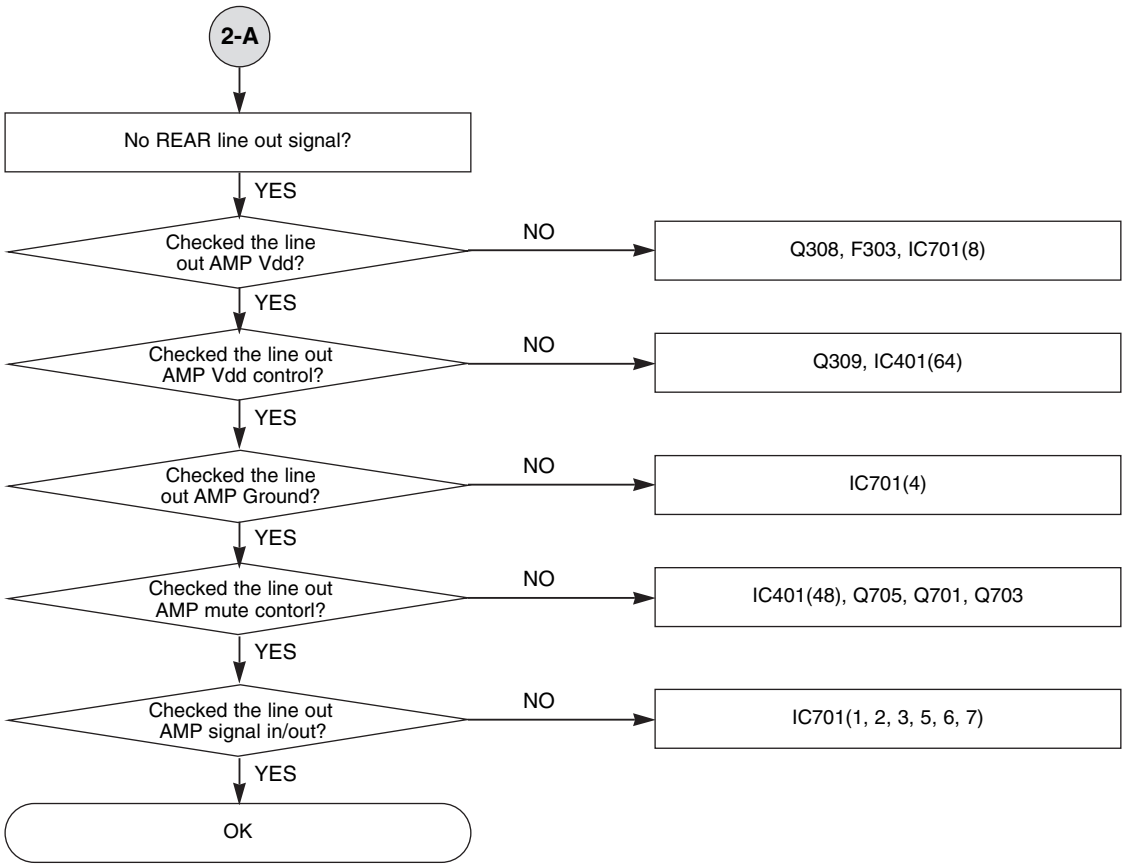


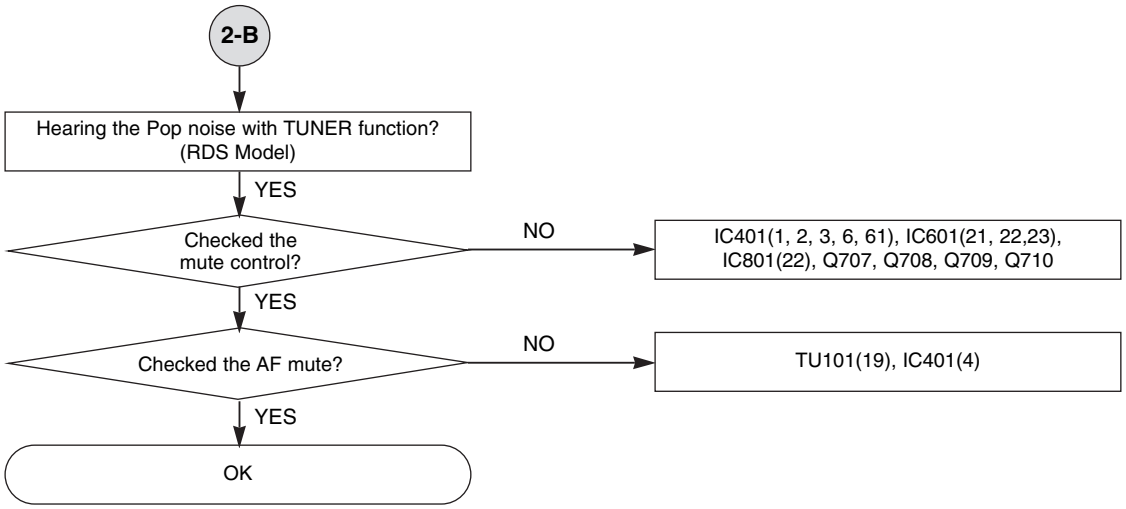

1-A
Not available to remocon?
YES
Checked the remocon sens Vdd?
NO
RMC1, R906
YES
Checked the remocon sens line?
NO
CN901(5), IC401(5)
YES
OK
1-B
Not available to volume control?
YES
Checked the encoder volume?
NO
EV901, CN901(6, 7), IC401(40, 41)
YES
Checked the volume IC control?
NO
IC401(1, 2), IC601(22, 23)
YES
OK
1-C
Not available to key control?
YES
Checked the tact switch?
NO
SW901 ~ SW918, EV901
YES
Checked the key line?
NO
CN901(8, 9), IC401(52, 53)
YES
OK

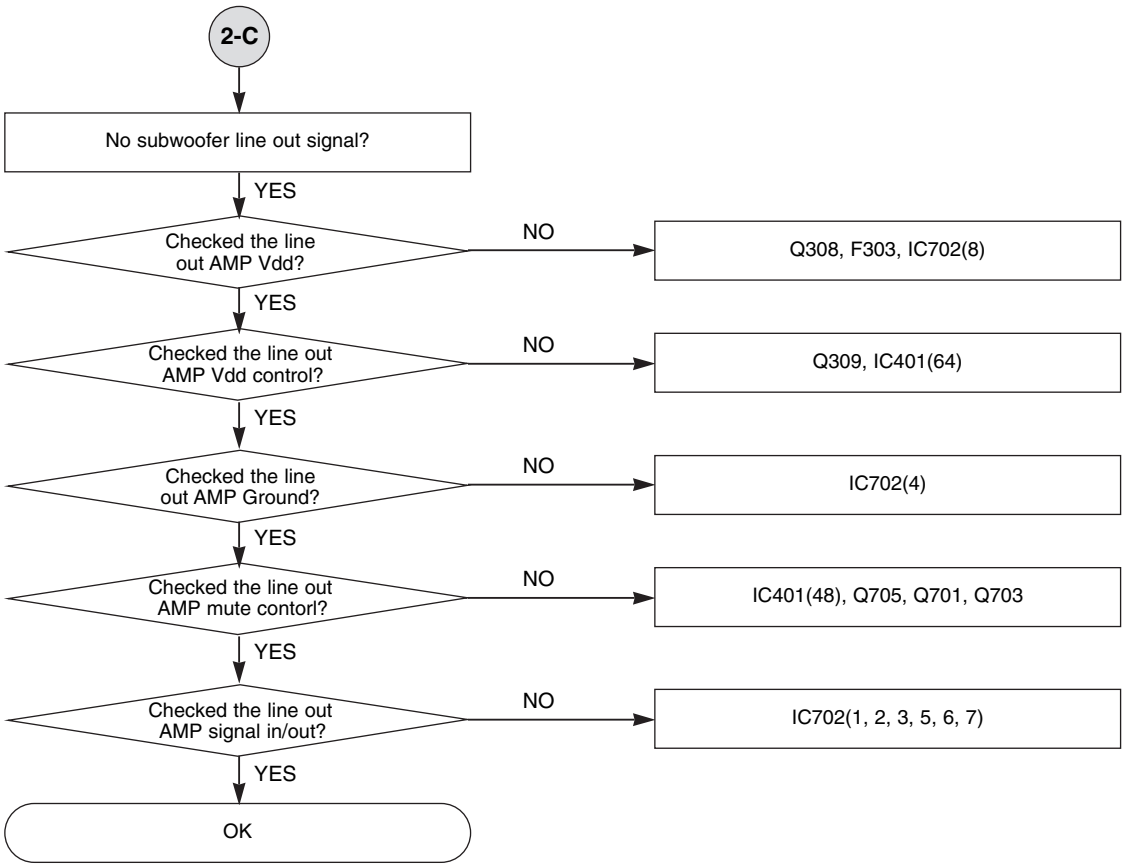

1-D
Not available to remote(Power AMP) control?
YES
Checked the remote control?
NO
CN801(10), IC301(12), IC401(87)
YES
OK
1-E
Not available to wired remocon?
YES
Checked the wired remocon connector?
NO
CW403, CN404
YES
Checked the wired remocon input?
NO
IC401(49, 57)
YES
OK
1-F
Not available to telephone mute?
YES
Checked the tel mute input?
NO
CN801(5), Q305,Q306, IC401(62)
YES
Checked the mute control?
NO
IC401(1, 2, 3, 6, 61), IC601(21, 22,23), IC801(22), Q707, Q708, Q709, Q710
YES
OK

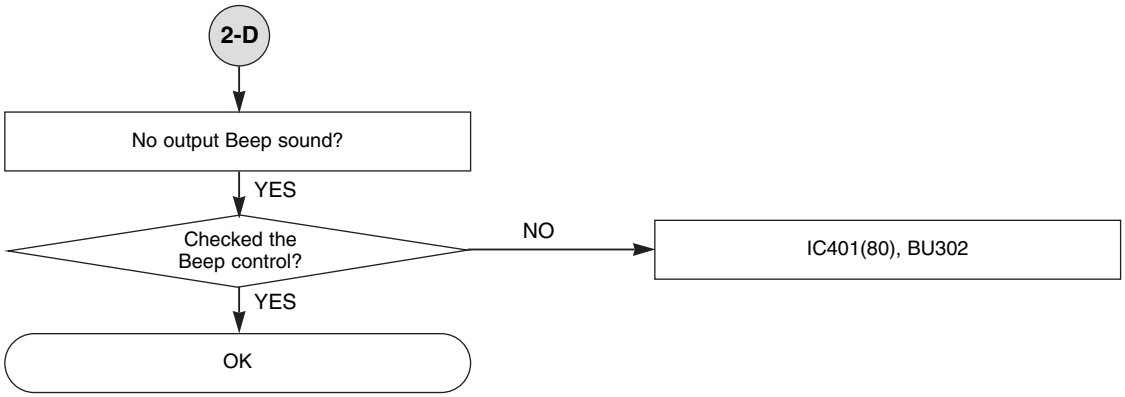
2. SOUND ERROR CORRECTION FLOW CHART




2-A
No REAR line out signal?
YES
Checked the line out AMP Vdd?
NO
Q308, F303, IC701(8)
YES
Checked the line out AMP Vdd control?
NO
Q309, IC401(64)
YES
Checked the line out AMP Ground?
NO
IC701(4)
YES
Checked the line out AMP mute contorl?
NO
IC401(48), Q705, Q701, Q703
YES
Checked the line out AMP signal in/out?
NO
IC701(1, 2, 3, 5, 6, 7)
YES
OK


2-B
Hearing the Pop noise with TUNER function? (RDS Model)
YES
Checked the mute control?
NO
IC401(1, 2, 3, 6, 61), IC601(21, 22,23), IC801(22), Q707, Q708, Q709, Q710
YES
Checked the AF mute?
NO
TU101(19), IC401(4)
YES
OK


2-C
No subwoofer line out signal?
YES
Checked the line out AMP Vdd?
NO
Q308, F303, IC702(8)
YES
Checked the line out AMP Vdd control?
NO
Q309, IC401(64)
YES
Checked the line out AMP Ground?
NO
IC702(4)
YES
Checked the line out AMP mute contorl?
NO
IC401(48), Q705, Q701, Q703
YES
Checked the line out AMP signal in/out?
NO
IC702(1, 2, 3, 5, 6, 7)
YES
OK


2-D
No output Beep sound?
YES
Checked the Beep control?
NO
IC401(80), BU302
YES
OK

■ CAUTION - Tip for repair

Before exchange power amp IC(TB2904) for no audio problem, you have to check below list.

1. Check VCC (pin 20, 6) & GND

2. Check input pin 11, 12, 14, 15

3. Check Standby, pin 4
   : Follow the below list.

4. Check Mute function, pin 22
   : Follow the below list.

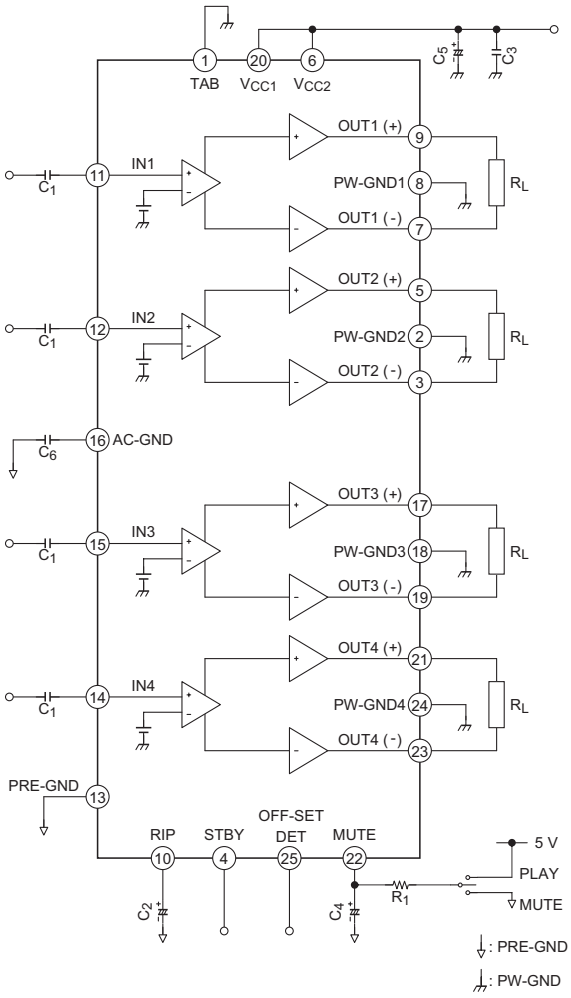
Stand-by	Power	Sound	Voltage
ON	OFF	OFF	0 to 1.5
OFF	ON	ON	3.5 to 6 V

5. Check Ripple pin 10.
   : Normally it is high (about 10V)

Mute	Sound	Voltage
ON	OFF	0 to 1.5
OFF	ON	3.5 to 6 V

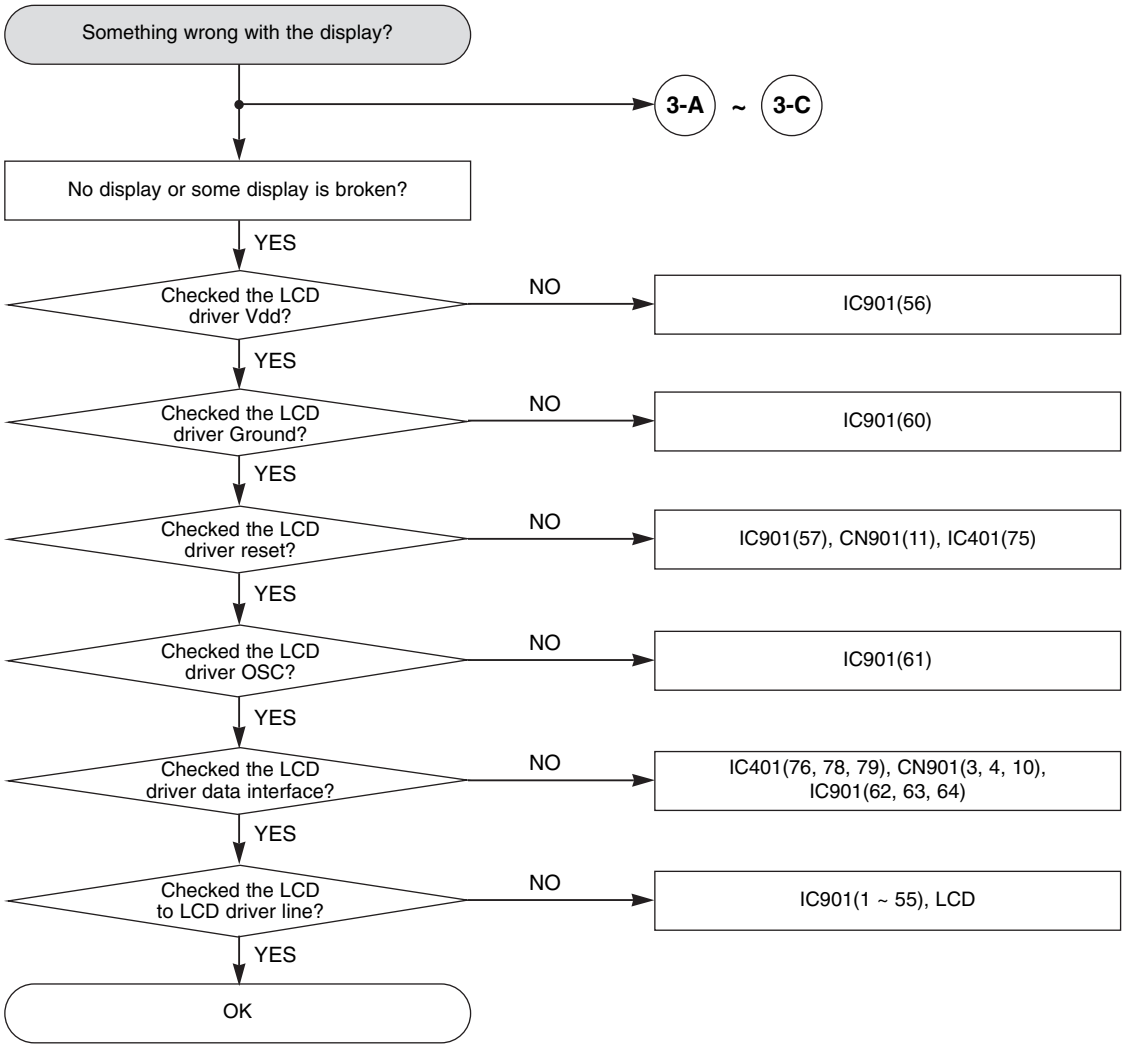
6. Re-soldering all the pin of IC.
   : Prevent crack of solder line.

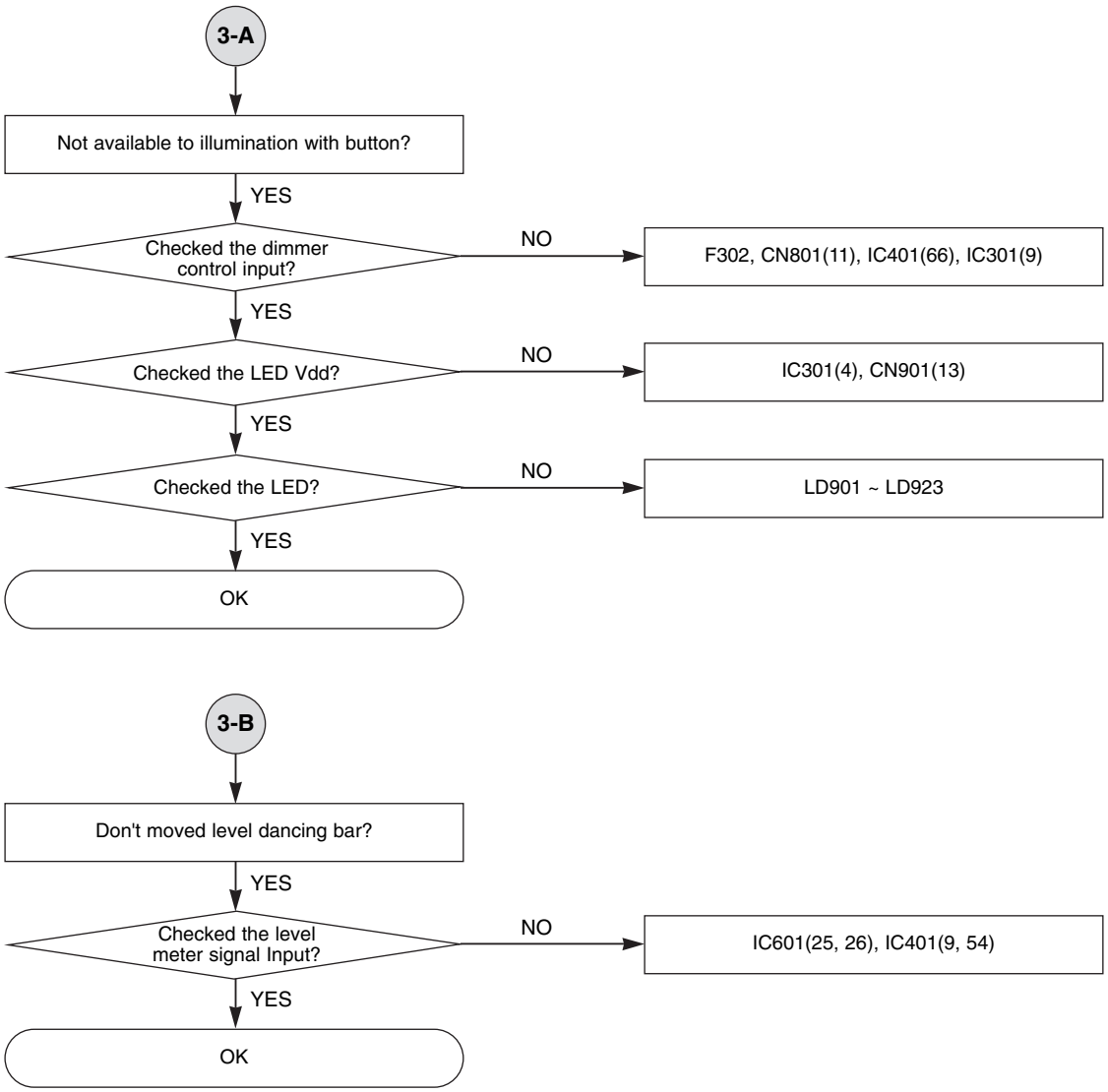
* Keep changed IC, We request that you send it to HQ.

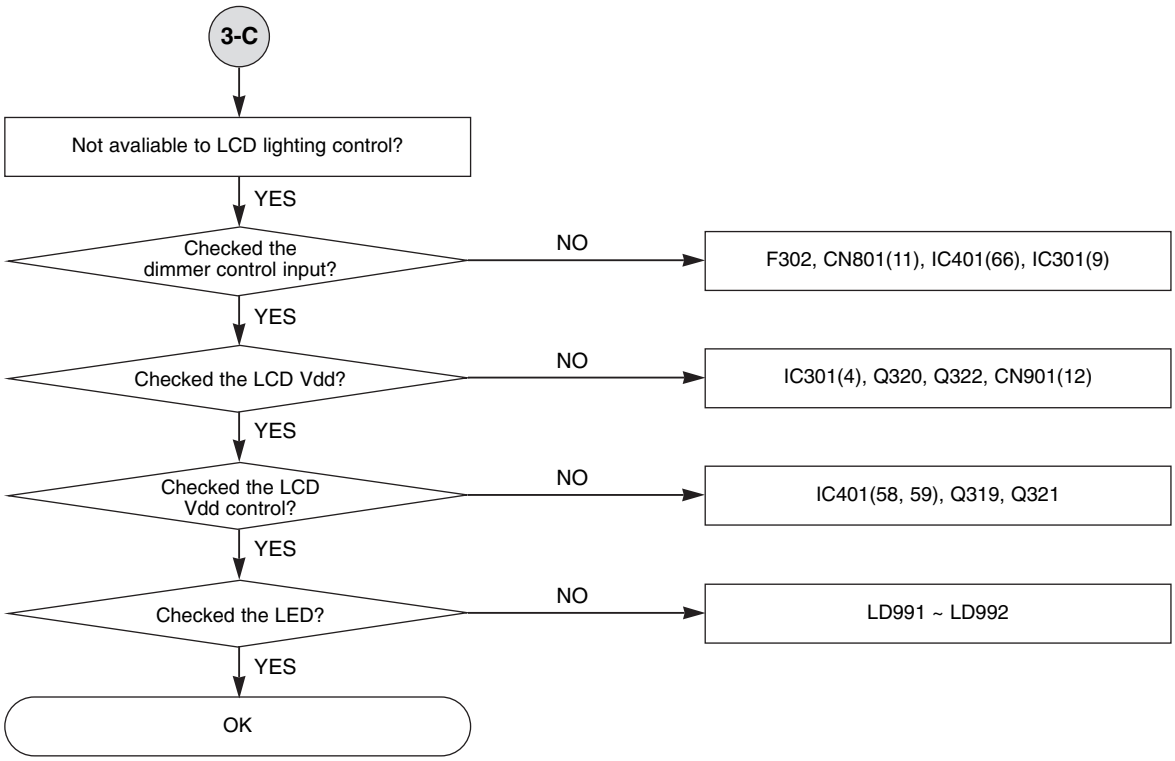


Picture 1) Power IC desc.

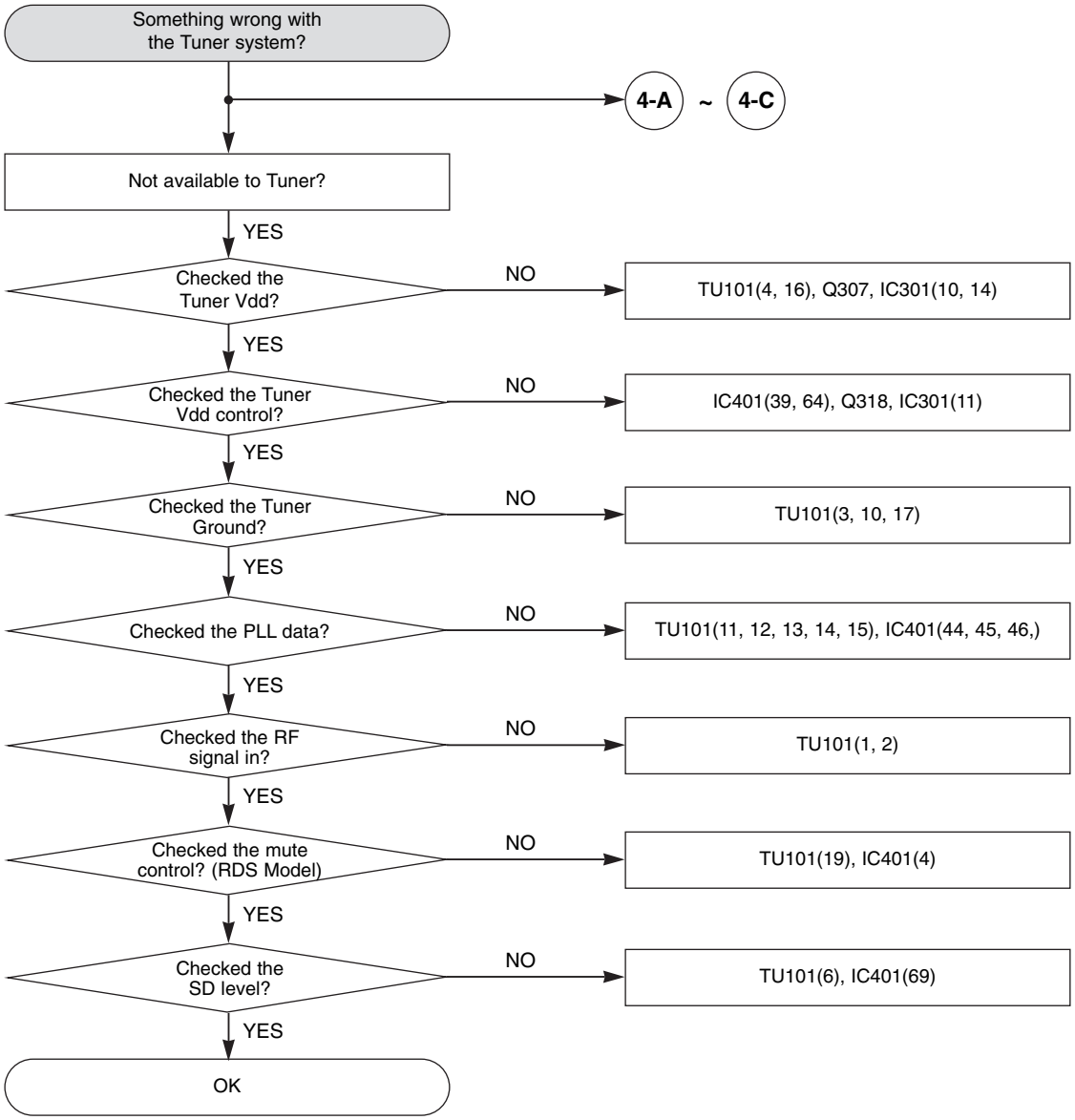
3. DISPLAY ERROR CORRECTION FLOW CHART

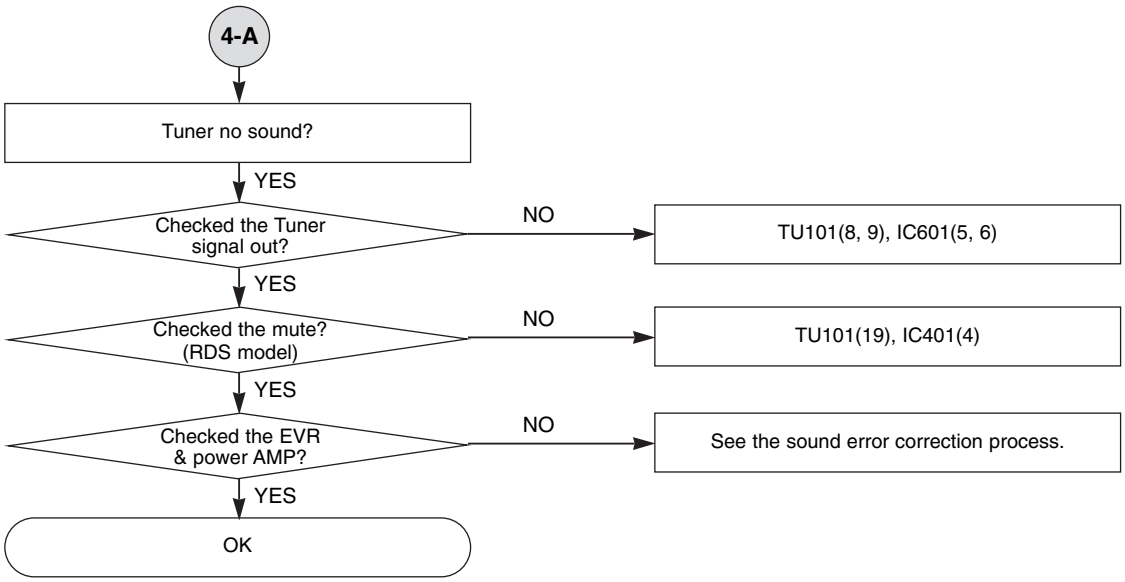


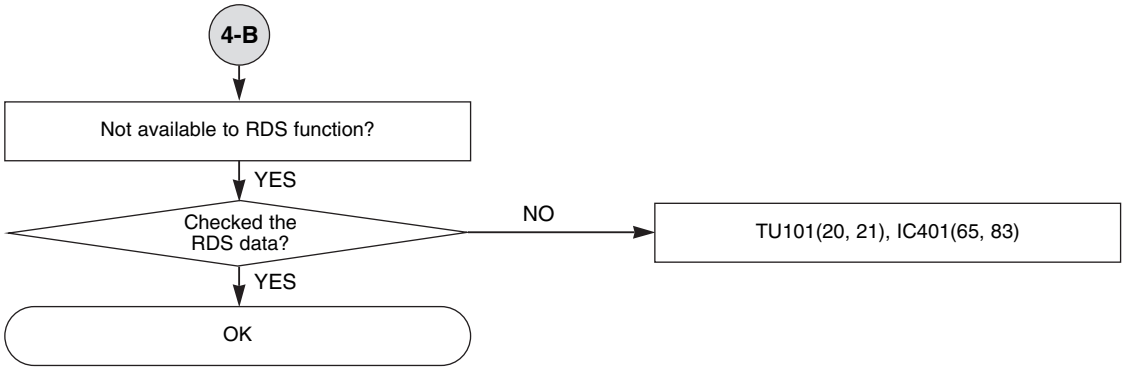

3-A
Not available to illumination with button?
YES
Checked the dimmer control input?
NO
F302, CN801(11), IC401(66), IC301(9)
YES
Checked the LED Vdd?
NO
IC301(4), CN901(13)
YES
Checked the LED?
NO
LD901 ~ LD923
YES
OK
3-B
Don't moved level dancing bar?
YES
Checked the level meter signal Input?
NO
IC601(25, 26), IC401(9, 54)
YES
OK

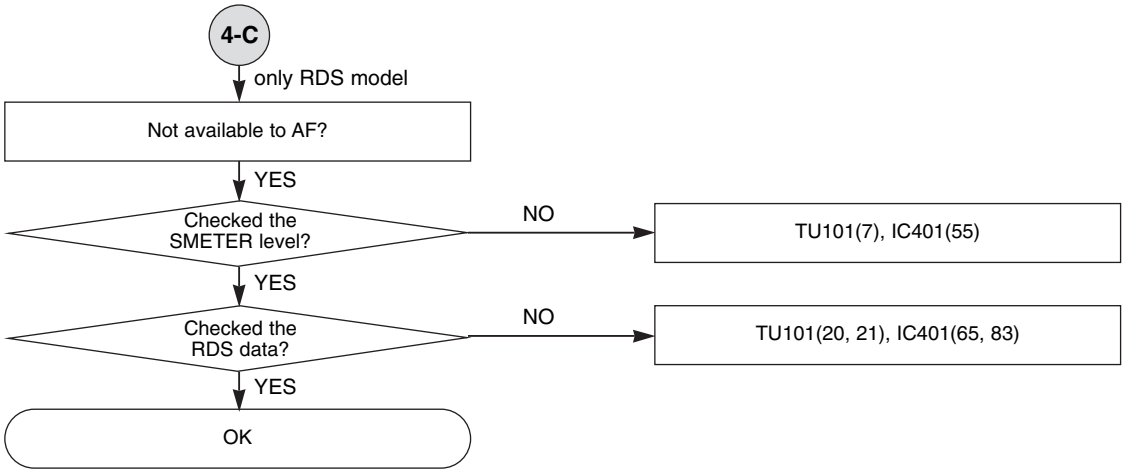

3-C
Not avaliable to LCD lighting control?
YES
Checked the dimmer control input?
NO
F302, CN801(11), IC401(66), IC301(9)
YES
Checked the LCD Vdd?
NO
IC301(4), Q320, Q322, CN901(12)
YES
Checked the LCD Vdd control?
NO
IC401(58, 59), Q319, Q321
YES
Checked the LED?
NO
LD991 ~ LD992
YES
OK

4. TUNER ERROR CORRECTION FLOW CHART

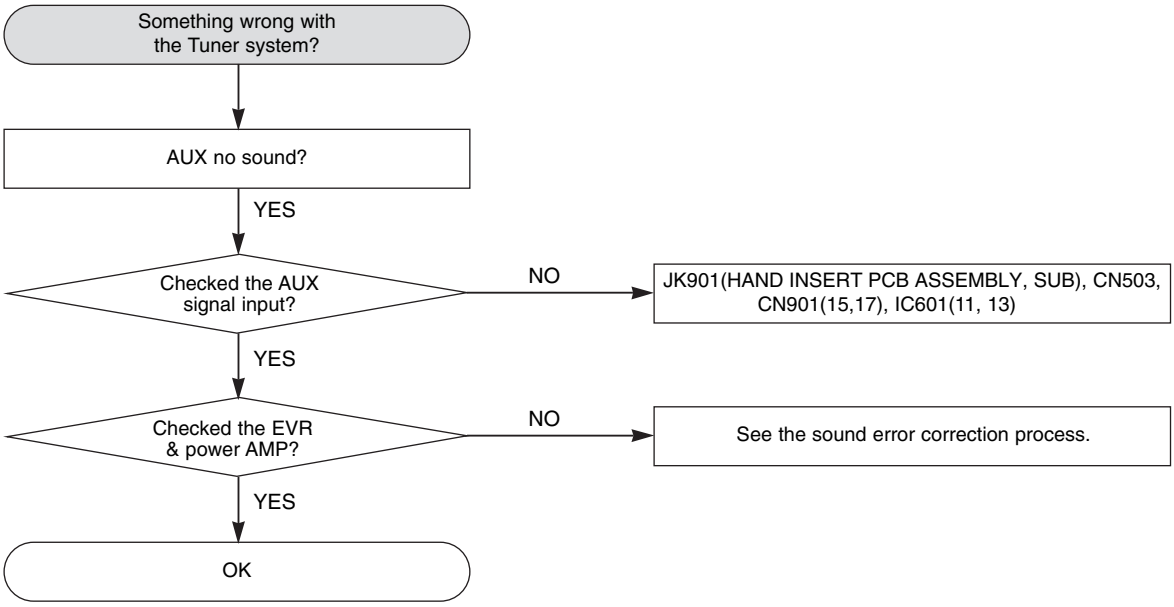



4-A
Tuner no sound?
YES
Checked the Tuner signal out?
NO
TU101(8, 9), IC601(5, 6)
YES
Checked the mute? (RDS model)
NO
TU101(19), IC401(4)
YES
Checked the EVR & power AMP?
NO
See the sound error correction process.
YES
OK

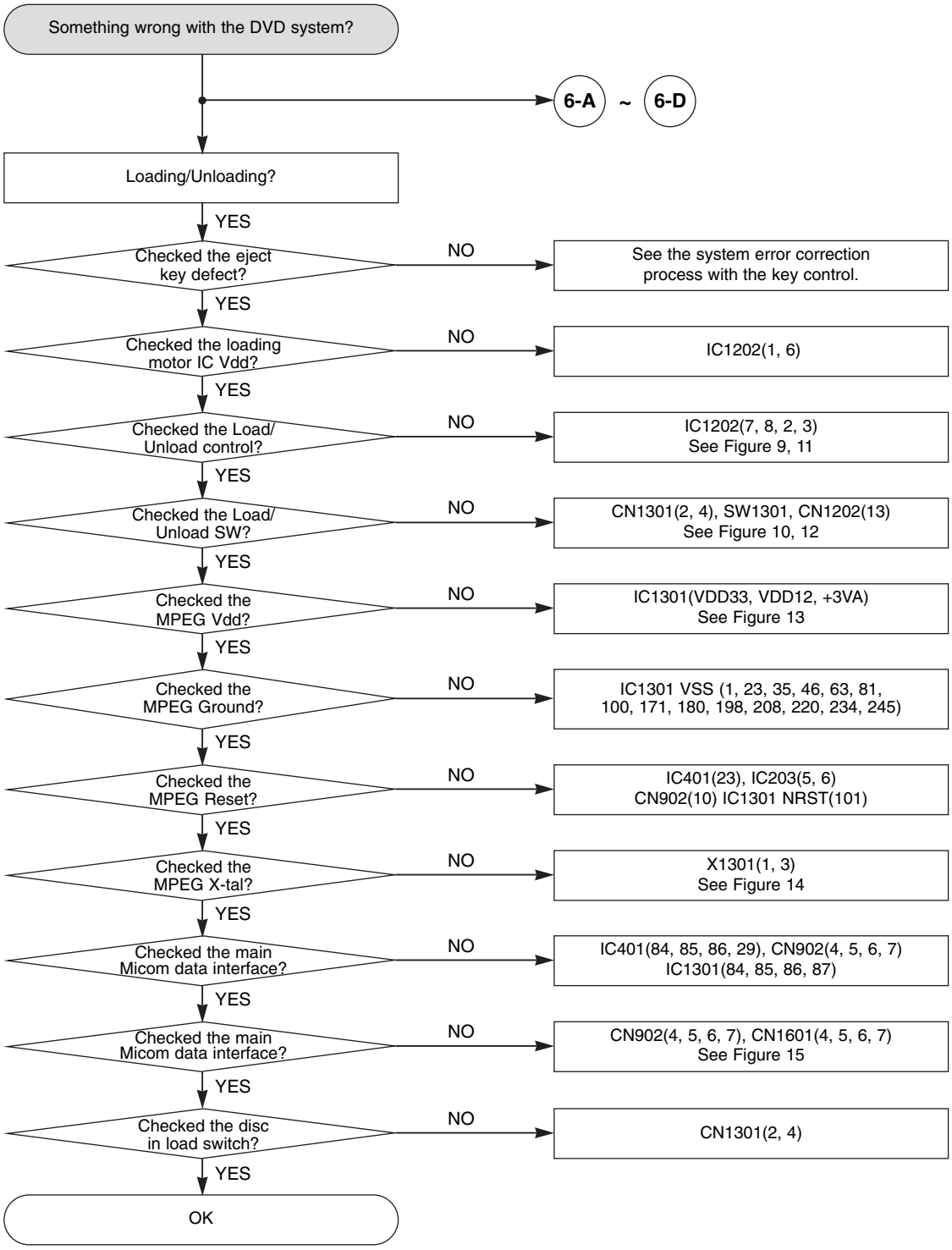

4-B
Not available to RDS function?
YES
Checked the RDS data?
NO
TU101(20, 21), IC401(65, 83)
YES
OK

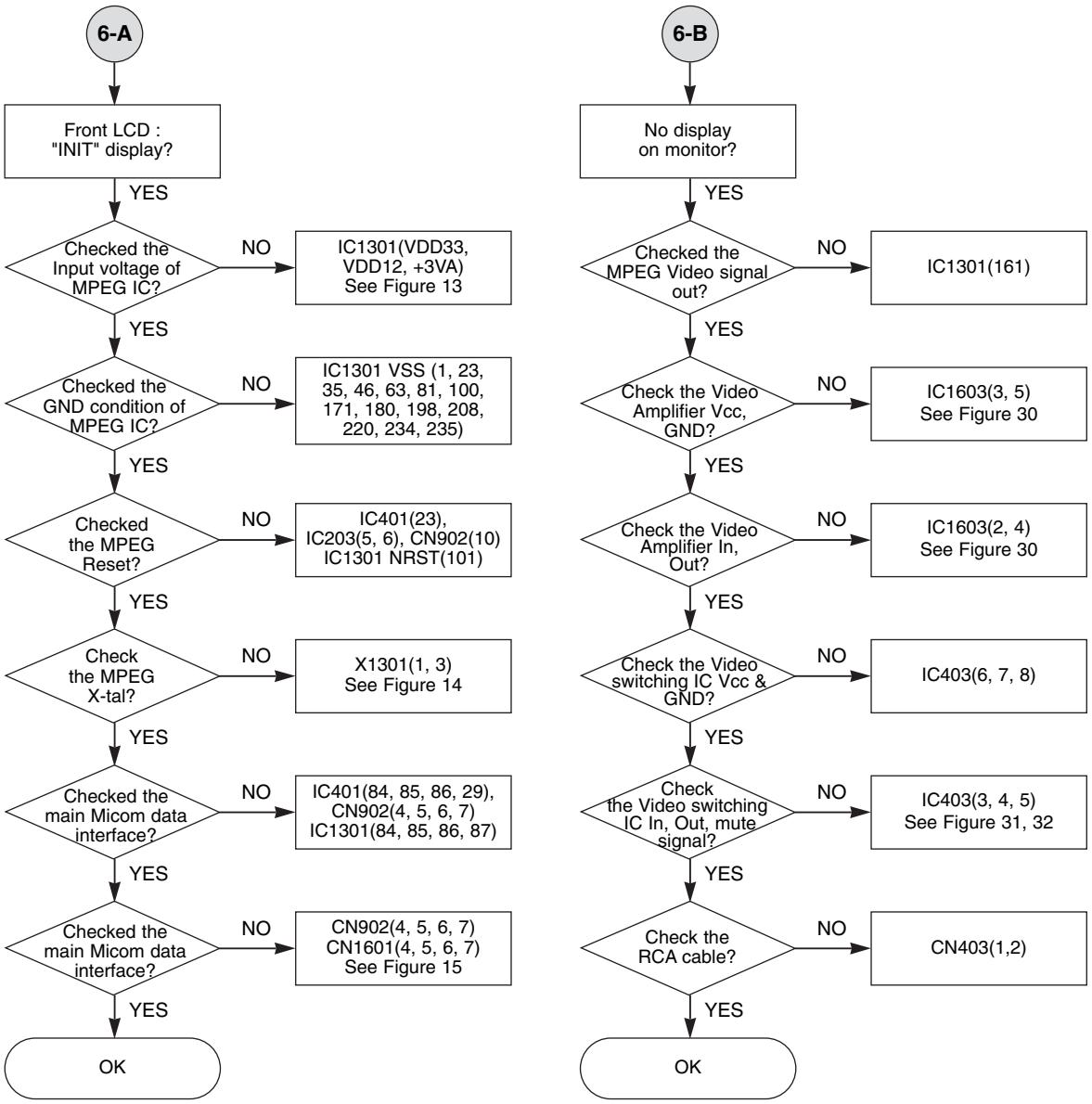

4-C
only RDS model
Not available to AF?
YES
Checked the SMETER level?
NO
TU101(7), IC401(55)
YES
Checked the RDS data?
NO
TU101(20, 21), IC401(65, 83)
YES
OK

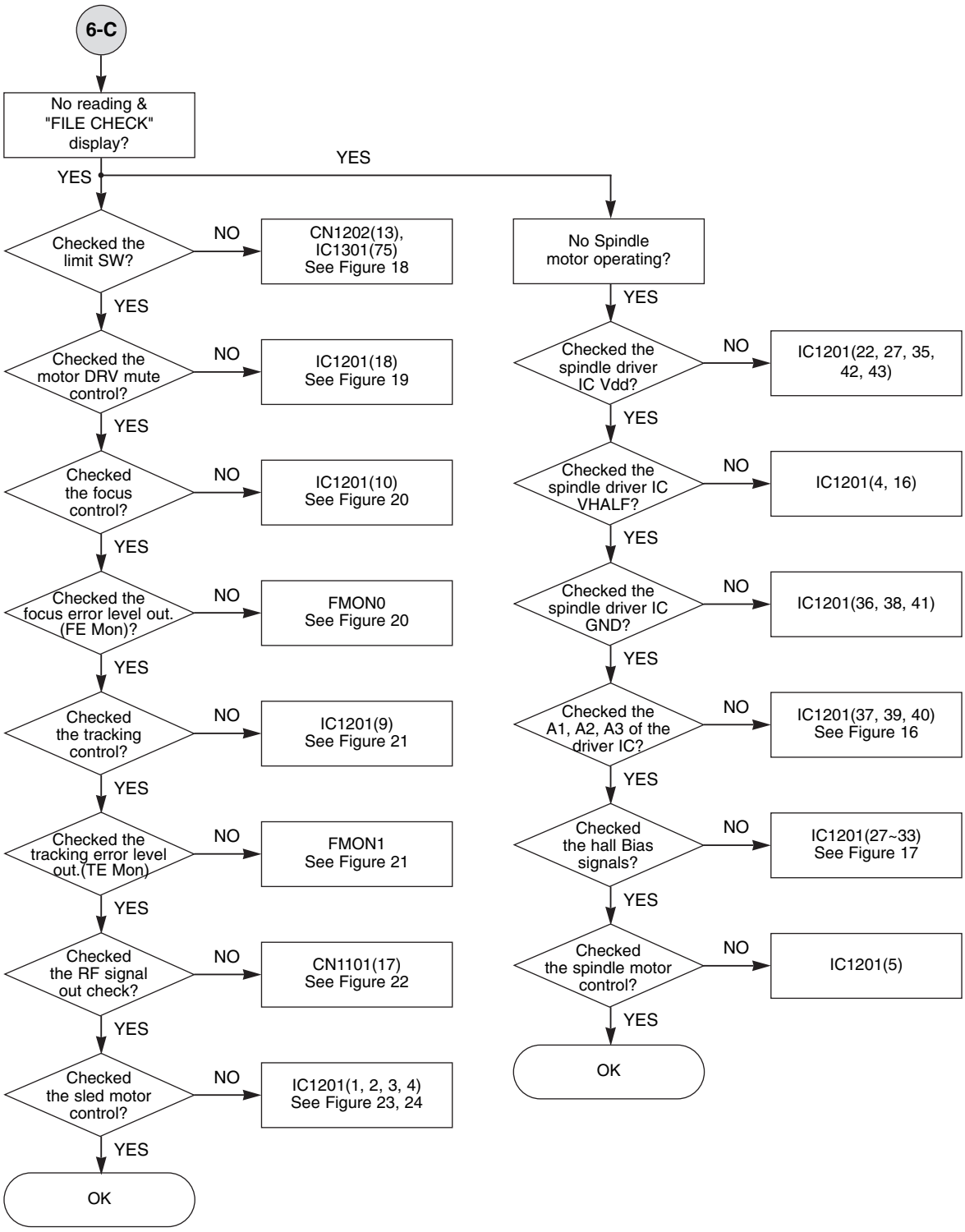
5. AUX ERROR CORRECTION FLOW CHART

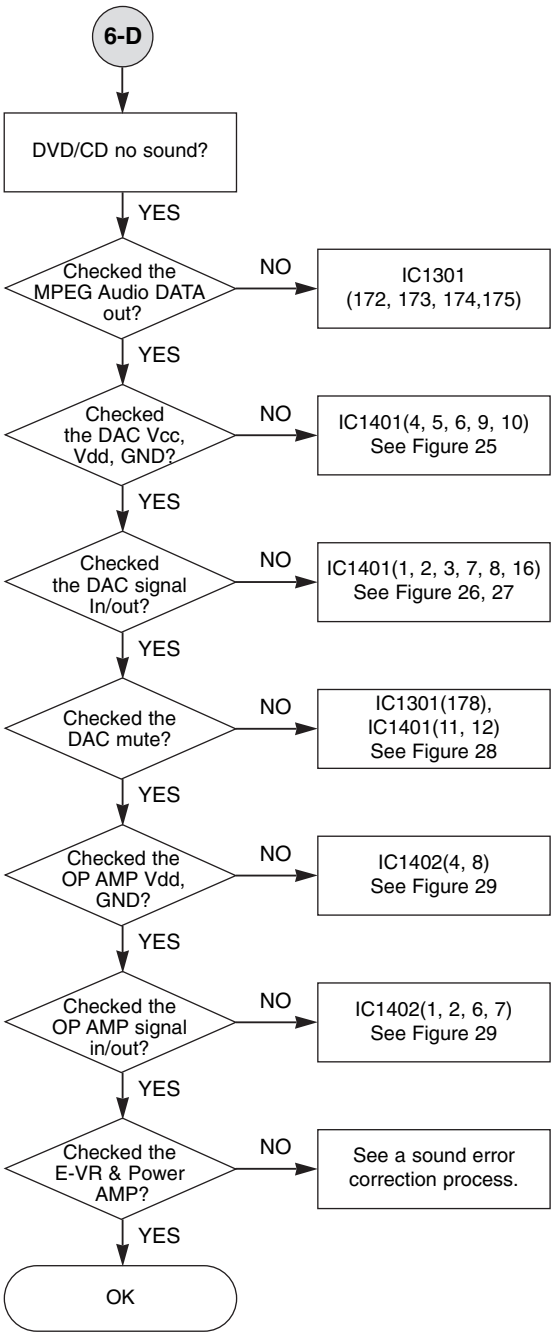


6. DVD ERROR CORRECTION FLOW CHART

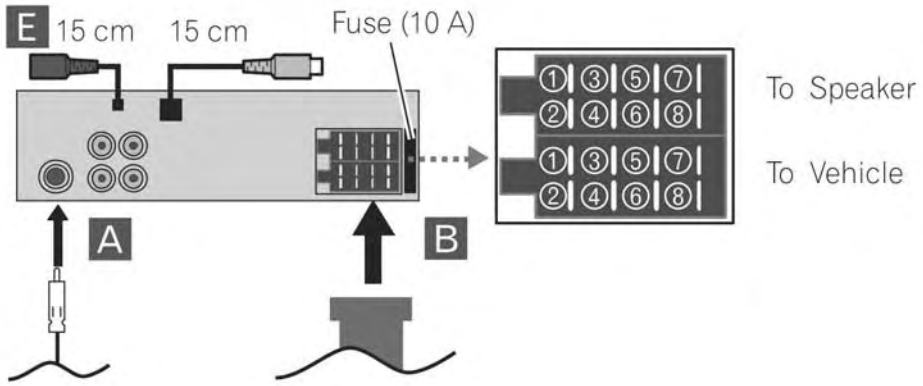



6-A
Front LCD : "INIT" display?
YES
Checked the Input voltage of MPEG IC?
NO
IC1301(VDD33, VDD12, +3VA) See Figure 13
YES
Checked the GND condition of MPEG IC?
NO
IC1301 VSS (1, 23, 35, 46, 63, 81, 100, 171, 180, 198, 208, 220, 234, 235)
YES
Checked the MPEG Reset?
NO
IC401(23), IC203(5, 6), CN902(10) IC1301 NRST(101)
YES
Check the MPEG X-tal?
NO
X1301(1, 3) See Figure 14
YES
Checked the main Micom data interface?
NO
IC401(84, 85, 86, 29), CN902(4, 5, 6, 7) IC1301(84, 85, 86, 87)
YES
Checked the main Micom data interface?
NO
CN902(4, 5, 6, 7) CN1601(4, 5, 6, 7) See Figure 15
YES
OK
6-B
No display on monitor?
YES
Checked the MPEG Video signal out?
NO
IC1301(161)
YES
Check the Video Amplifier Vcc, GND?
NO
IC1603(3, 5) See Figure 30
YES
Check the Video Amplifier In, Out?
NO
IC1603(2, 4) See Figure 30
YES
Check the Video switching IC Vcc & GND?
NO
IC403(6, 7, 8)
YES
Check the Video switching IC In, Out, mute signal?
NO
IC403(3, 4, 5) See Figure 31, 32
YES
Check the RCA cable?
NO
CN403(1,2)
YES
OK


6-C
No reading & "FILE CHECK" display?
YES
YES
Checked the limit SW?
NO
CN1202(13), IC1301(75) See Figure 18
YES
Checked the motor DRV mute control?
NO
IC1201(18) See Figure 19
YES
Checked the focus control?
NO
IC1201(10) See Figure 20
YES
Checked the focus error level out. (FE Mon)?
NO
FMON0 See Figure 20
YES
Checked the tracking control?
NO
IC1201(9) See Figure 21
YES
Checked the tracking error level out.(TE Mon)
NO
FMON1 See Figure 21
YES
Checked the RF signal out check?
NO
CN1101(17) See Figure 22
YES
Checked the sled motor control?
NO
IC1201(1, 2, 3, 4) See Figure 23, 24
YES
OK
YES
No Spindle motor operating?
YES
Checked the spindle driver IC Vdd?
NO
IC1201(22, 27, 35, 42, 43)
YES
Checked the spindle driver IC VHALF?
NO
IC1201(4, 16)
YES
Checked the spindle driver IC GND?
NO
IC1201(36, 38, 41)
YES
Checked the A1, A2, A3 of the driver IC?
NO
IC1201(37, 39, 40) See Figure 16
YES
Checked the hall Bias signals?
NO
IC1201(27~33) See Figure 17
YES
Checked the spindle motor control?
NO
IC1201(5)
YES
OK


6-D
DVD/CD no sound?
YES
Checked the MPEG Audio DATA out?
NO
IC1301 (172, 173, 174,175)
YES
Checked the DAC Vcc, Vdd, GND?
NO
IC1401(4, 5, 6, 9, 10) See Figure 25
YES
Checked the DAC signal In/out?
NO
IC1401(1, 2, 3, 7, 8, 16) See Figure 26, 27
YES
Checked the DAC mute?
NO
IC1301(178), IC1401(11, 12) See Figure 28
YES
Checked the OP AMP Vdd, GND?
NO
IC1402(4, 8) See Figure 29
YES
Checked the OP AMP signal in/out?
NO
IC1402(1, 2, 6, 7) See Figure 29
YES
Checked the E-VR & Power AMP?
NO
See a sound error correction process.
YES
OK

5.2 CONNECTOR FUNCTION DESCRIPTION



A From antenna

B Pin and the function of the ISO connector

To Speaker
① Rear right ⊕
② Rear right ⊖
③ Front right ⊕
④ Front right ⊖
⑤ Front left ⊕
⑥ Front left ⊖
⑦ Rear left ⊕
⑧ Rear left ⊖

To Vehicle
① Not used.
② Not used.
③ Phone mute
④ Back up
⑤ System remote control
⑥ Illumination
⑦ Accessory
⑧ Chassis ground

E Wired remote input

Hard-wired remote control adaptor can be connected (sold separately).

6. SERVICE MODE

6.1 DVD MECHANISM TEST MODE

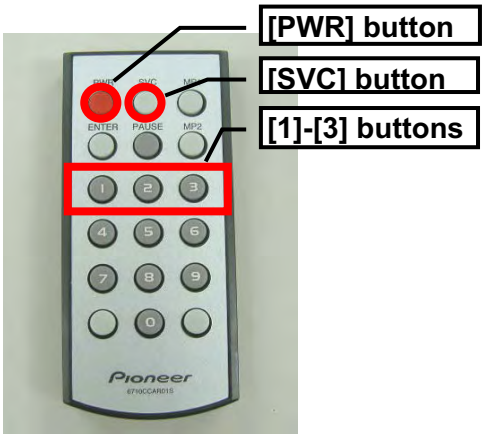
[Purpose of this mode]

This mode can be used for the quality judgement of the DVD mechanism.
On this mode, the product automatically checks following items, and it will show the results of measurements on the display.

Error Rate
Skew
Jtter

[Necessary jig]

Service remote control, GGF1604



GGF1604

[Operation]

(1) Insert a DVD or CD into the product, and after starting playback, press the [SVC] button of the service remote control, GGF1064.

(2) "TESTING" will blink on the display during the measurements for tens of seconds. (Generally, for about 40 seconds)

(3) After finishing the measurements, "ER XX" will be displayed.
Here, "ER" means Error Rate, and "XX" is the result of the measurement (OK or NG).

(4) To change the display item, press [1] - [3] buttons of your desired one.

[1]	**Error rate**	**Display: ER OK or ER NG**
[2]	**Skew**	**Display: SK OK or SK NG**
[3]	**Jitter**	**Display: RF OK or RF NG**

(5) To return to the normal operation mode, press the [SVC] button.
If the [SVC] button does not work, turn off and on the product by pressing the [PWR] button.

<NOTE>
During this test mode, other buttons will not be effective.

6.2 HOW TO CONFIRM THE SOFTWARE VERSION

Procedure

(1) Turn on the power of the product, and change the source to CD/DVD by pressing [SOURCE] button.
Do NOT insert any disc, and make sure the display is showing "NO DISC".
(2) Press and hold the volume knob, and turn off the power.
(3) Press and hold the volume knob for 5 seconds or more.
(4) Then, the main software version (M*******) will appear on the display.
(5) Press [BAND] button to change the display to the DVD software version (D*******).
(6) You can change the display of the software version by pressing [BAND] button.

7. DISASSEMBLY

● **Remove the Cover (Fig.1)**

1 Remove the screw and then remove the Cover.

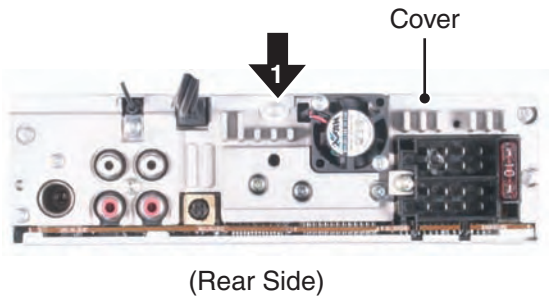


Fig.1

● **Remove the Panel Assembly(A45) and the Panel Assembly(A42) (Fig.2)**

1 Push the [Release] Button and then remove the Panel Assembly(A45).

2 Remove the two screws.

3 Release the four latchs and then remove the Panel Assembly(A42).

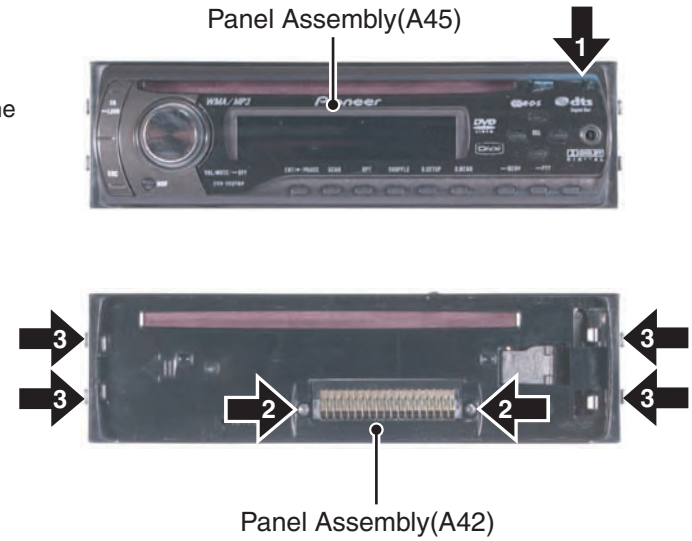


Fig.2

● **Remove the DVD Mechanism Module (Fig.3)**

1 Remove the four screws.

Disconnect the connector and then remove the DVD Mechanism Module.

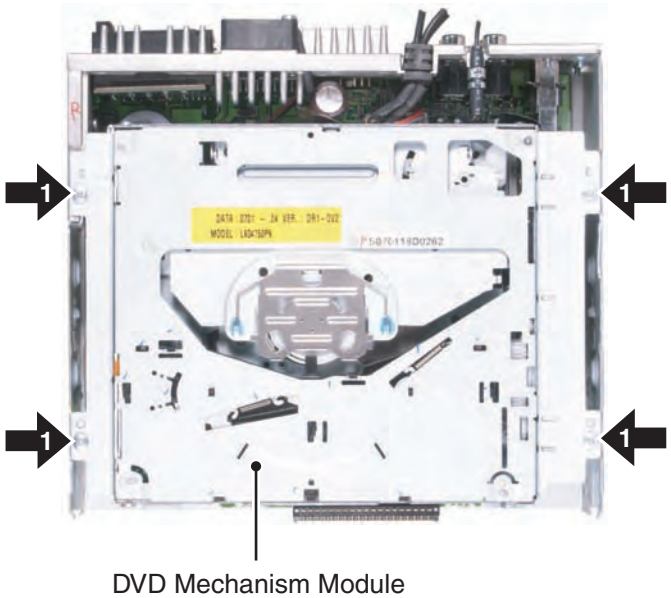


Fig.3

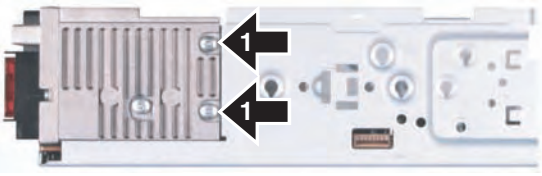
● Remove the PCB Assembly, Main (Fig.4)

1 Remove the two screws.

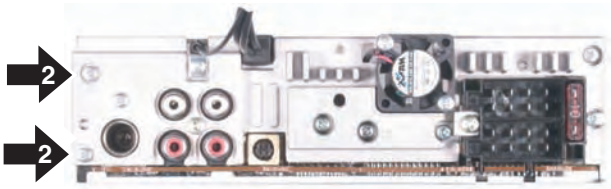
2 Remove the two screws.

3 Remove the solder.

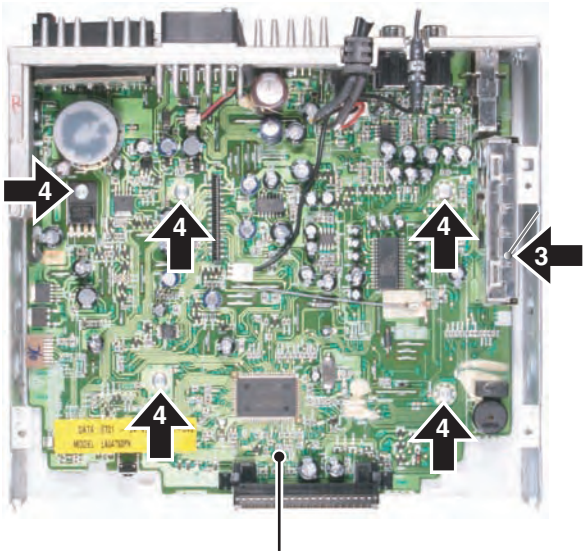
4 Remove the five screws and then remove the PCB Assembly, Main.



(Left Side)



(Rear Side)



PCB Assembly, Main

Fig.4

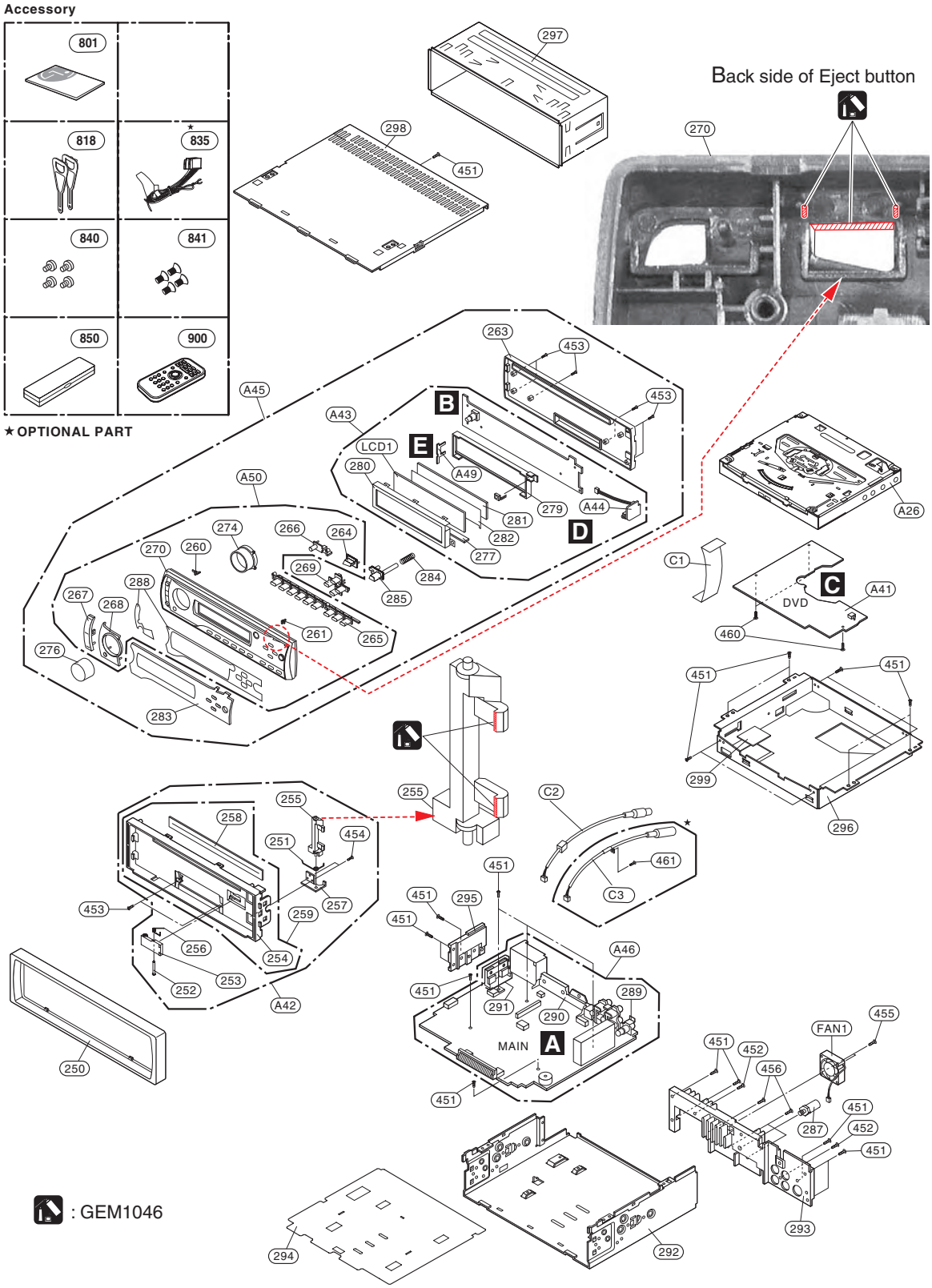
8. EACH SETTING AND ADJUSTMENT

There is no information to be shown this chapter.

9. EXPLODED VIEWS AND PARTS LIST

NOTES : • *Parts marked by " * " are generally unavailable because they are not in our Master Spare Parts List.*
• *The ⚠ mark found on some component parts indicates the importance of the safety factor of the part. Therefore, when replacing, be sure to use parts of identical designation.*
• *Screw adjacent to▽ mark on the product are used for disassembly.*
• *For the applying amount of lubricants or glue, follow the instructions in this manual. (In the case of no amount instructions,apply as you think it appropriate.)*

9.1 EXTERIOR



(1) EXTERIOR SECTION PARTS LIST

Mark	No.	Description	Part No.
	A26	Mechanism Assembly	4405R-V002C
	A41	Option Code Assembly	See Contrast table(2)
	A42	Panel Assembly	AGL33078201
	A43	PCB Assembly,Front	See Contrast table(2)
	A44	Hand Insert PCB Assembly,Sub	EBR38022602
	A45	Panel Assembly	See Contrast table(2)
	A46	PCB Assembly,Main	See Contrast table(2)
	A49	Auto SMT PCB Assembly,Display	EBR37027802
	A50	Case Assembly	See Contrast table(2)
	250	Panel,Audio	MGC36671601
	251	Spring	442-565A
	252	Shaft	423-561F
	253	Lever	4510S-0016A
*	254	Panel	MGC36671501
	255	Lever	4510RC0024A
	256	Spring	4970RC0060A
	257	Bracket	4810S-1018A
*	258	Sheet	MHK37749301
	259	Panel Assembly	AGL33078401
	260	Lens	MFB36671701
	261	Lens	MFB36671702
	263	Case	MBN36666301
	264	Button	MBG36671001
*	265	Button	See Contrast table(2)
*	266	Button	MBG36671101
	267	Button	MBG36671401
*	268	Plate	See Contrast table(2)
	269	Button	MBG36671201
	270	Case	MBN36666201
*	274	Reflector	MGW36668101
	276	Knob Assembly	AEZ33077801
	277	Connector,Zebra	EAG35300005
	279	Holder	MEG36668601
	280	Housing	MEK36668801
	281	Reflector	MGW34476601
	282	Sheet	3858RCF015A
	283	Window,Decor	See Contrast table(2)
	284	Spring	442-976E
	285	Button	MBG36670901
	287	Cap	5006RC0001B
*	288	Sheet	MHK37763101
	289	Bracket	4810RC0709A
	290	Bracket	MAZ35732001
	291	Bracket Assembly	ABA32342801
	292	Chassis	MBS32727401
	293	Heat Sink	MED35754701
	294	Sheet	MHK33938101
	295	Heat Sink	MED33764201
	296	Bracket	MAZ32726601
	297	Bracket	MAZ34017101
	298	Cover	MCK32725701
	299	Sheet	MHK38606002
	451	Screw,Customized	353-022B
	452	Screw,Customized	353-025G
	453	Screw,Customized	353-645A
	454	Screw,Customized	353-028AAAA
	455	Screw,Machine	1MBC0263016
	456	Screw,Machine	1MRC0302818
	460	Screw,Customized	1SZZR-0115B
	461	Screw,Customized	See Contrast table(2)
	801	Manual Assembly,Owners	See Contrast table(2)
	818	Plate	3300RCR001A
	835	Harness,Multi	See Contrast table(2)
	840	Screw,Taptite	FAB30122101
	841	Screw,Taptite	FAB30122201
	850	Case Assembly	ABQ30921111
	900	Remote Controller	MKJ39631801
	C1	Cable,FFC	EAD37677701
	C2	Drawing,Assembly	EAD38093701
	C3	Drawing,Assembly	See Contrast table(2)
	FAN1	Fan Module	5900R-D022A
	LCD1	LCD	6304TRC014C

(2) CONTRAST TABLE

DVH-3900MP/XZ/EW5, DVH-390MP/XZ/RE, DVH-3950MP/XZ/RC, DVH-3950MP/XZ/RD and DVH-3950MP/XZ/RI are constructed the same except for the following:

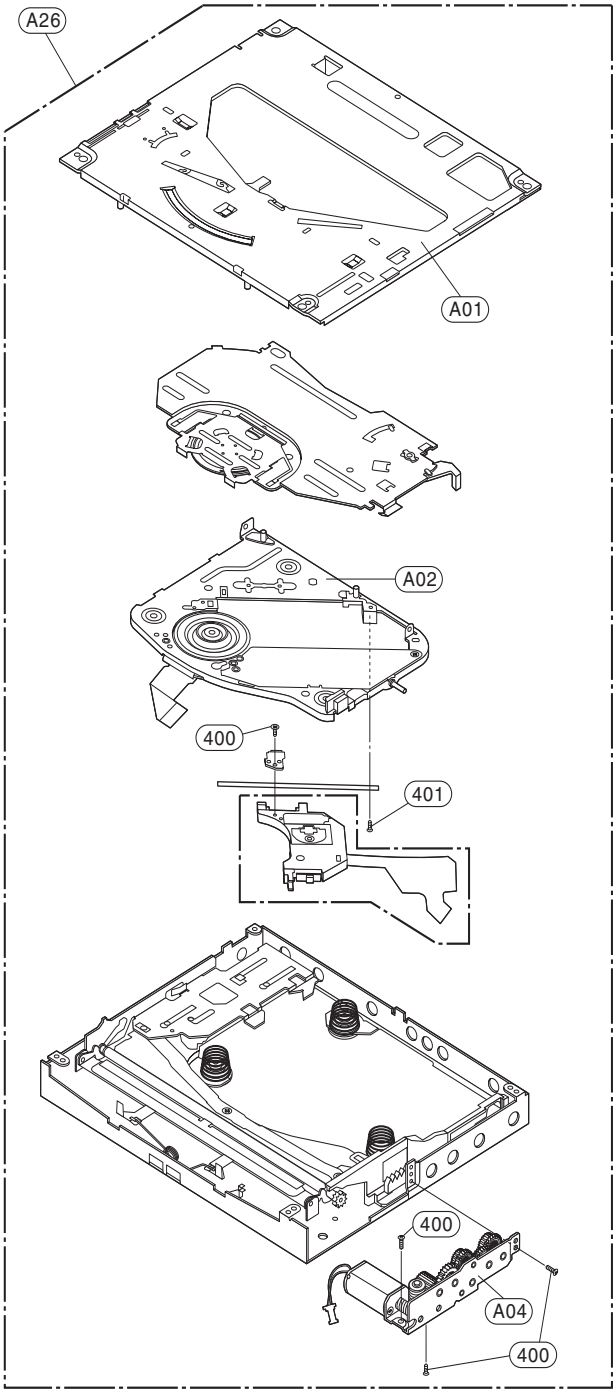
Mark	No.	Description	DVH-3900MP/XZ/EW5	DVH-390MP/XZ/RE	DVH-3950MP/XZ/RC	DVH-3950MP/XZ/RD	DVH-3950MP/XZ/RI
	A41	Option Code Assembly	EBR39188601	EBR39188602	EBR39188605	EBR39188603	EBR39188604
	A43	PCB Assembly,Front	EBR33834402	EBR33834403	EBR33834404	EBR33834403	EBR33834403
	A45	Panel Assembly	AGL33077203	AGL33077202	AGL33077205	AGL33077204	AGL33077204
	A46	PCB Assembly,Main	EBR37079102	EBR37079103	EBR37079104	EBR37079106	EBR37079105
	A50	Case Assembly	ABQ33077701	ABQ33077702	ABQ33077702	ABQ33077702	ABQ33077702
*	265	Button	MBG36671301	MBG36671302	MBG36671302	MBG36671302	MBG36671302
*	268	Plate	MGJ36666501	MGJ36666502	MGJ36666502	MGJ36666502	MGJ36666502
NOTE	283	Window,Decor	MKC36668501	MKC36668502	MKC36668503	MKC36668503	MKC36668503
	461	Screw,Customized	353-022B	353-022B	Not used	Not used	Not used
	801	Manual Assembly,Owners	AFN32793632	AFN32793635	AFN32793637	AFN32793636	AFN32793640
	835	Harness,Multi	Not used	EAD35855003	EAD35855003	EAD35855003	EAD35855003
	C3	Drawing,Assembly	EAD38095301	EAD38095301	Not used	Not used	Not used

<NOTE> If you need to replace Window, Decor of #283, replace it with the part of #A50 at the same time.

Manual Assembly, Owners

Part No.	Language
AFN32793632(EW5)	English, Spanish
AFN32793635(RE)	English, Russian
AFN32793637(RC)	English, Traditional Chinese, Korean
AFN32793636(RD)	English, Spanish, Portuguese(B)
AFN32793640 (RI)	English, Arabic

9.2 MECHANISM ASSEMBLY



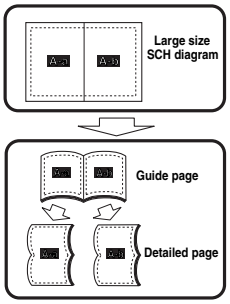
MECHANISM ASSEMBLY SECTION PARTS LIST

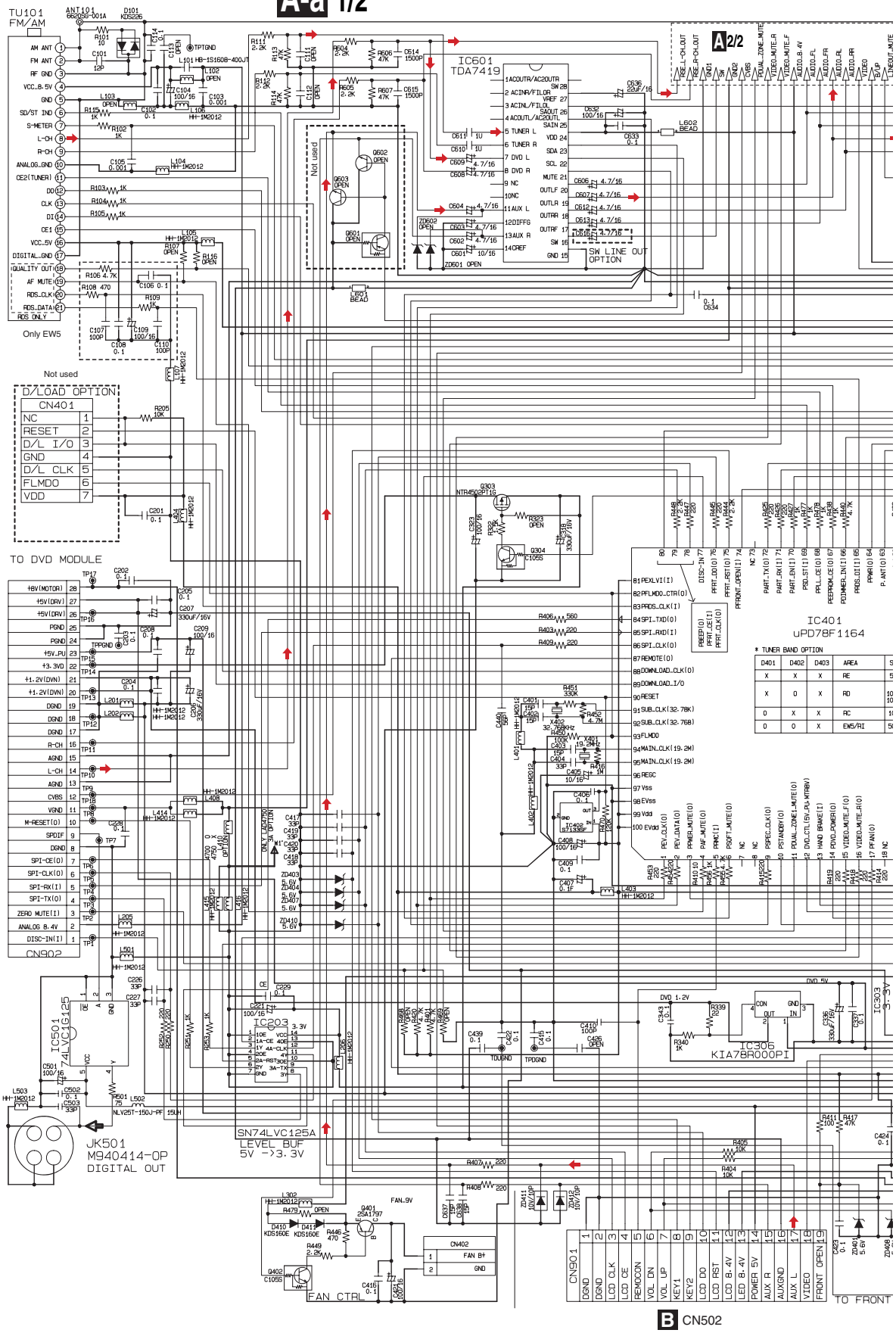
Mark	No.	Description	Part No.
	A26	Mechanism Assembly	4405R-V002C
	A01	Frame Assembly	3211R-R011B
	A02	Base Assembly	3041R-R007B
	A04	Bracket Assembly	4811R-0308D
	400	Screw,Customized	1SZZR-0115A
	401	Screw,Customized	1SZZR-0034A

10. SCHEMATIC DIAGRAM

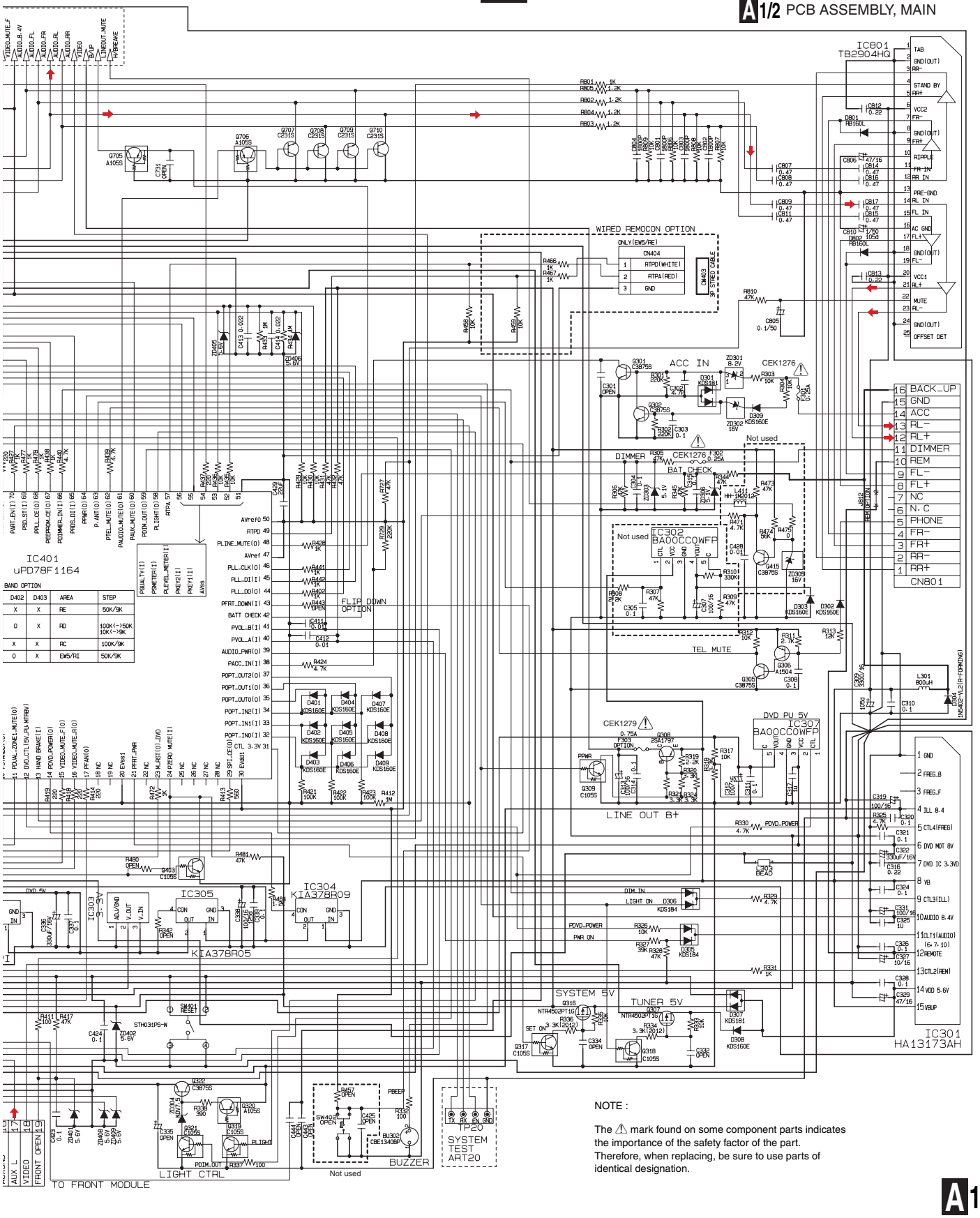
10.1 PCB ASSEMBLY, MAIN(1/2)(GUIDE PAGE)

Note: When ordering service parts, be sure to refer to " EXPLODED VIEWS AND PARTS LIST" or "ELECTRICAL PARTS LIST".





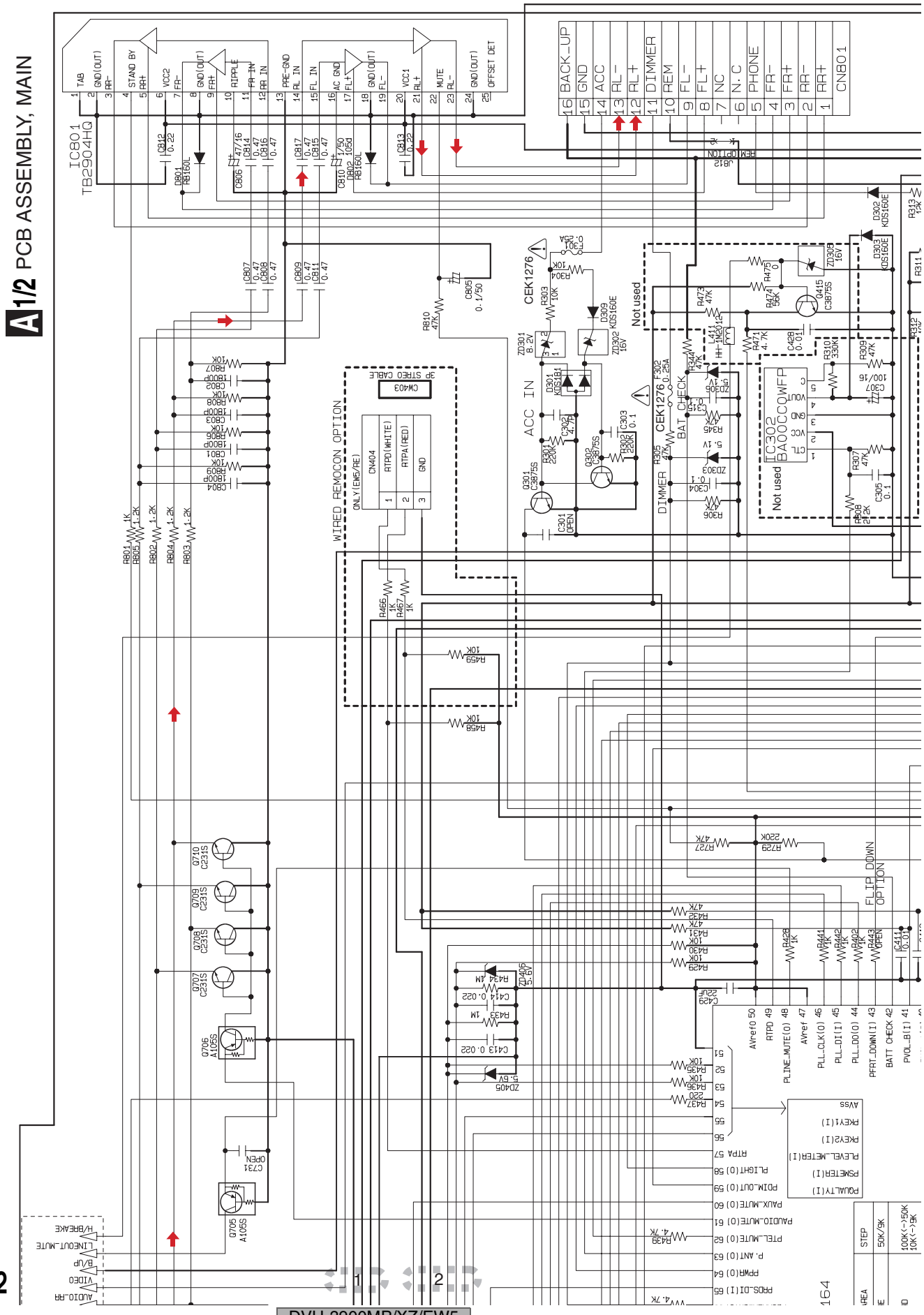
A 1/2 PCB ASSEMBLY, MAIN



NOTE :

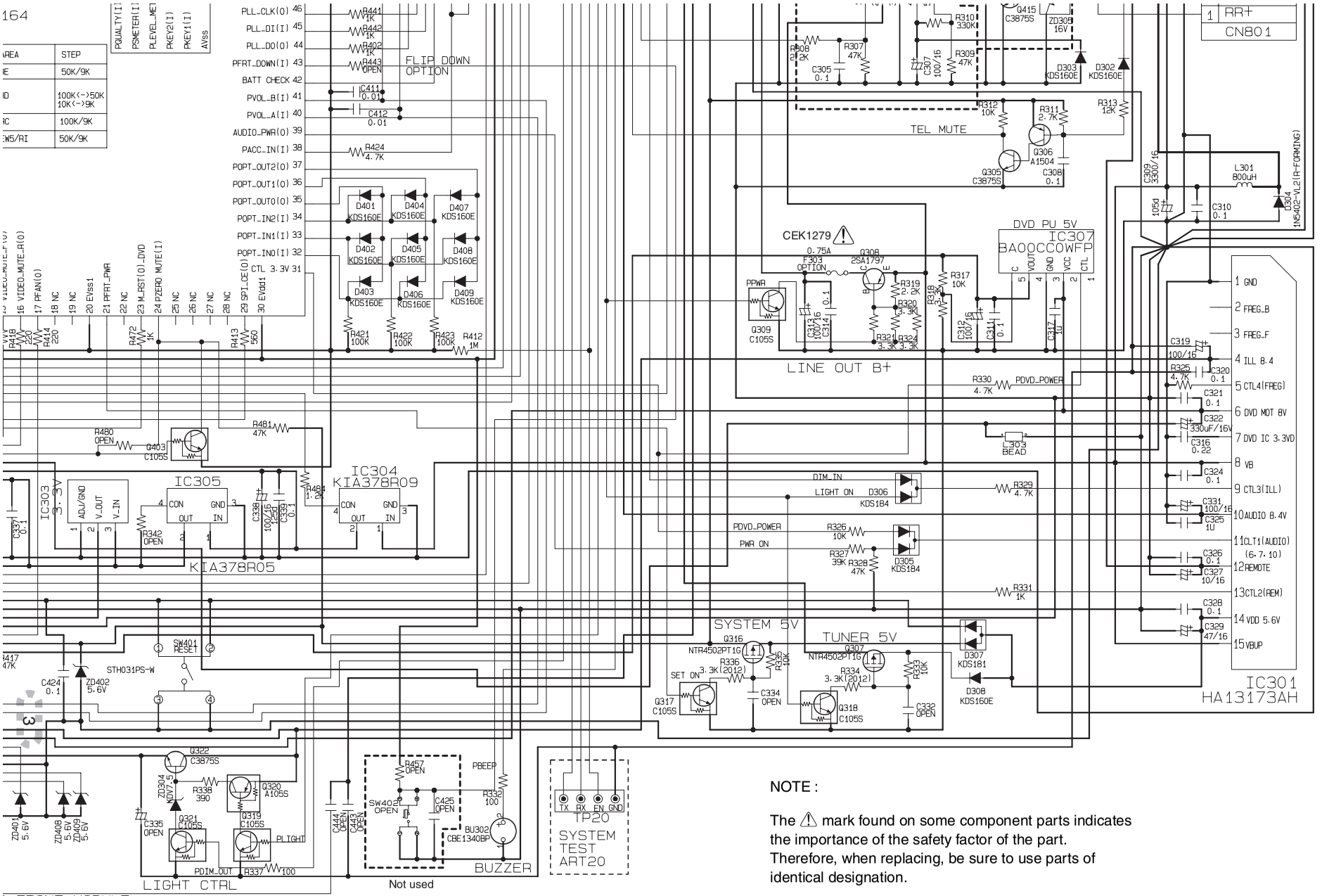
The ⚠ mark found on some component parts indicates the importance of the safety factor of the part. Therefore, when replacing, be sure to use parts of identical designation.

A 1/2 PCB ASSEMBLY, MAIN



A-a A-b

A-b 1/2

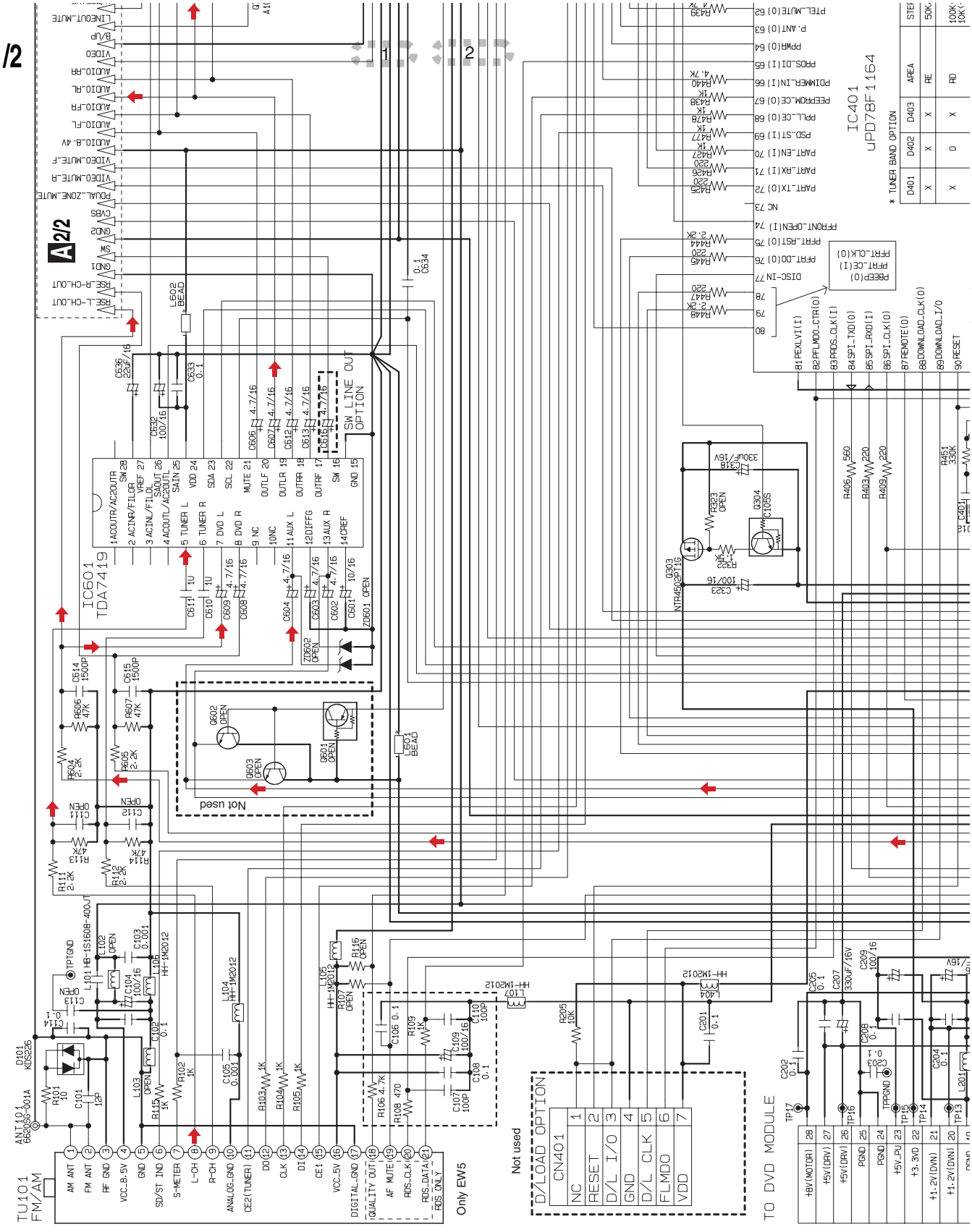


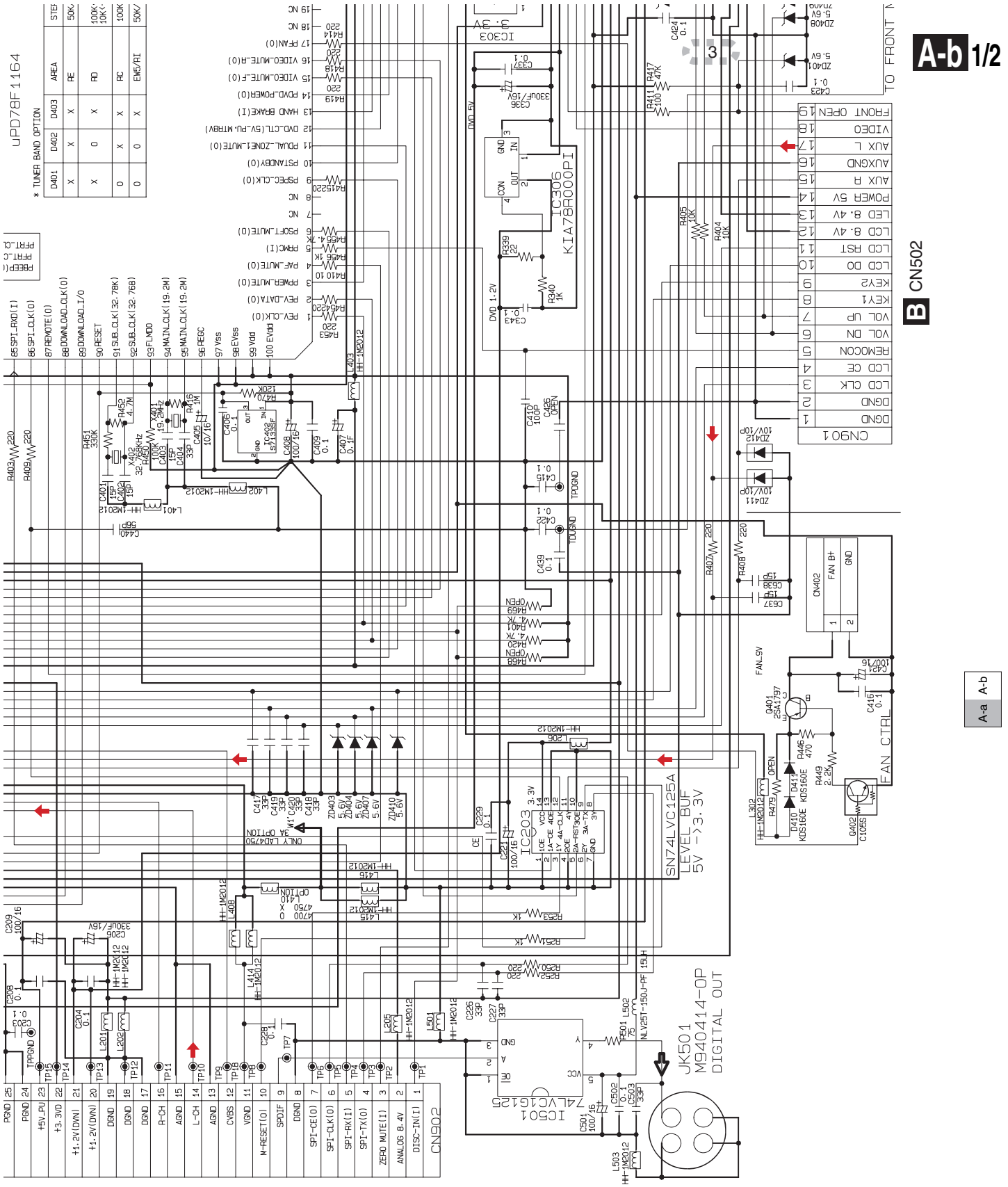
DVH-3900MP/XZ/EW5

A-b 1/2

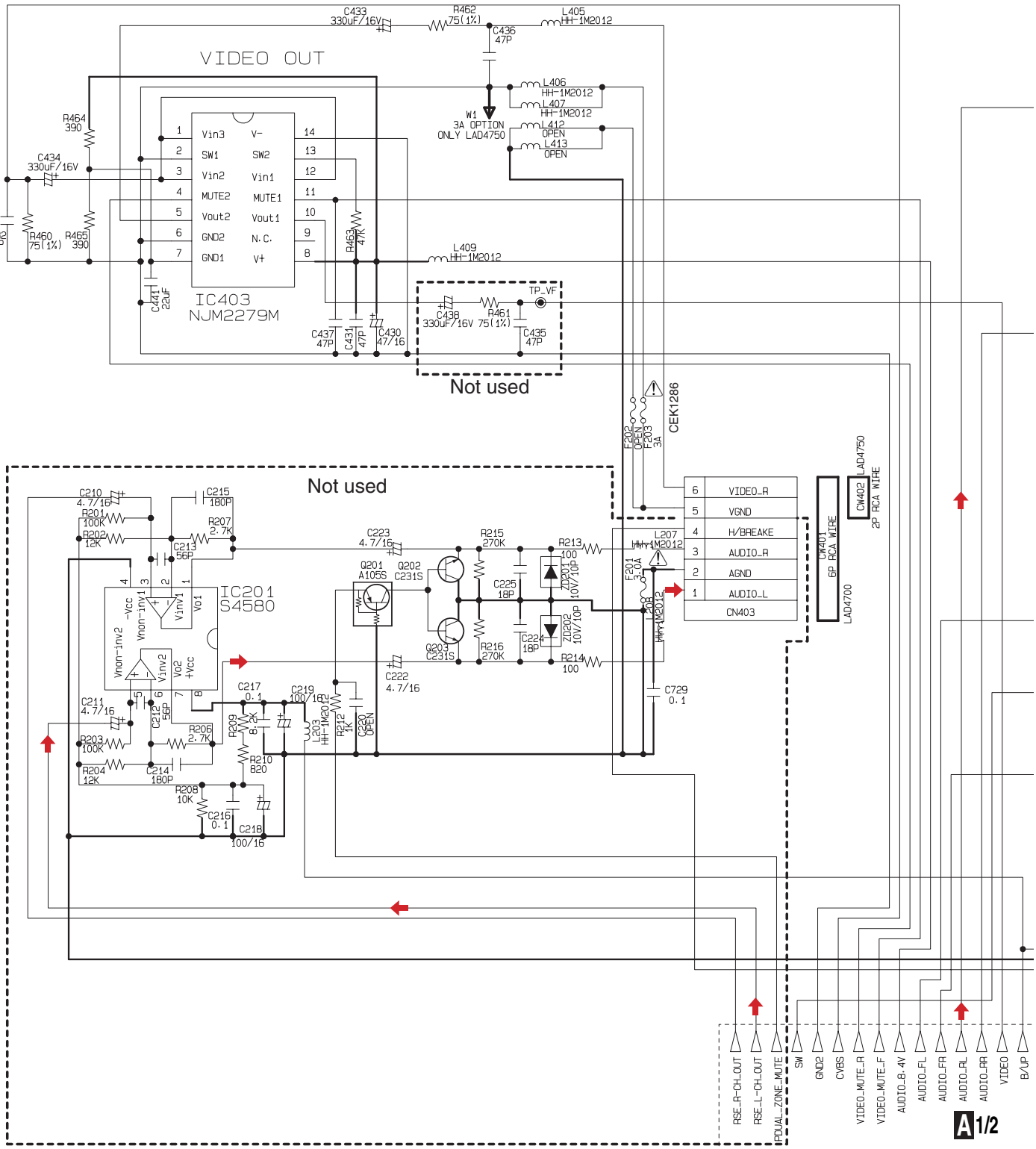
A-a A-b

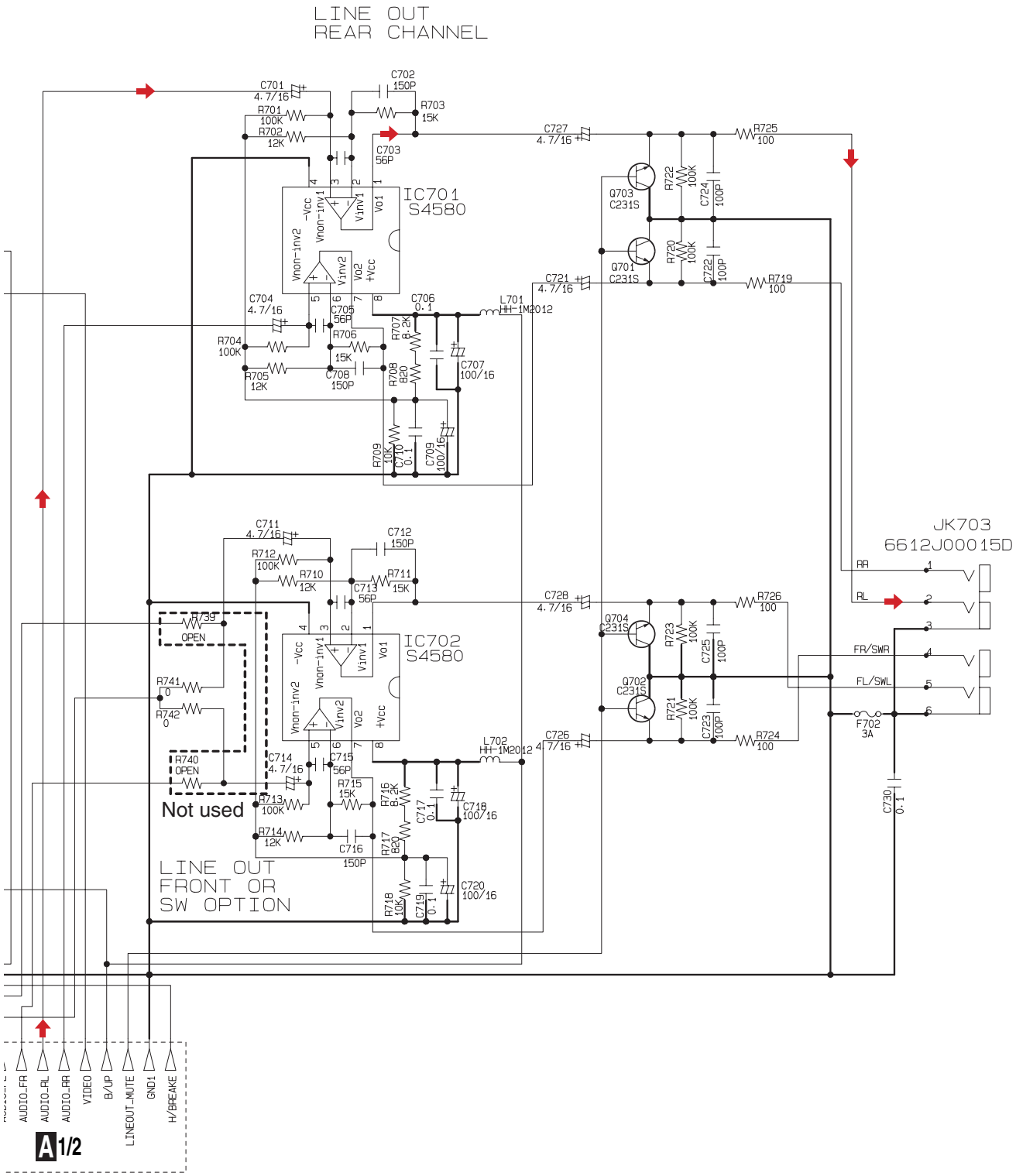
49


A2/2
IC401
uPD78F1164
* TUNER BAND OPTION
D401 D402 D403 AREA STEP
X X X RE 50K
X O X RD 100K 10K
IC601
TDA7419
SW LINE OUT OPTION
Not used
Only EW5
Not used
D/LOAD OPTION
CN401
NC
RESET
D/L I/O
GND
D/L CLK
FLMDO
VDD
TO DVD MODULE
TU101
FM/AM
AM ANT
FM ANT
RF GND
VCC_8.5V
GND
SD/ST IND
S-METER
L-CH
R-CH
ANALOG-GND
CE2(TUNER)
DO
CLK
DI
CE1
VCC_5V
DIGITAL_GND
QUALITY OUT
AF MUTE
RDS_CLK
RDS_DATA
RDS ONLY
+8V(MOTOR)
+5V(DRV)
+5V(DRV)
PGND
PGND
+5V_PU
+3.3VD
+1.2V(DVN)
+1.2V(DVN)


A-b 1/2
B CN502
A-a 1/2
C3/3 CN1601
CN902
CN901
IC306 KIA78R000PI
IC303
IC203 SN74LVC125A LEVEL BUF 5V ->3.3V
IC501 74LVC1G125
JK501 M940414-OP DIGITAL OUT
FAN CTRL
CN402
Q401 2SA1797
Q402 C1065
D410 KDS160E
D411 KDS160E
uPD78F1164
* TUNER BAND OPTION
TO FRONT
DVD 5V
DVD 1.2V
DVD 3.3V
FAN.5V
TPPGND
TDGND
TPGND
ONLY LAD4750 JA OPTION
OPTION
FRONT OPEN
VIDEO
AUX L
AUXGND
AUX R
POWER 5V
LED 8.4V
LCD 8.4V
LCD RST
LCD DO
KEY2
KEY1
VOL UP
VOL DN
REMOCON
LCD CE
LCD CLK
DGND
DGND

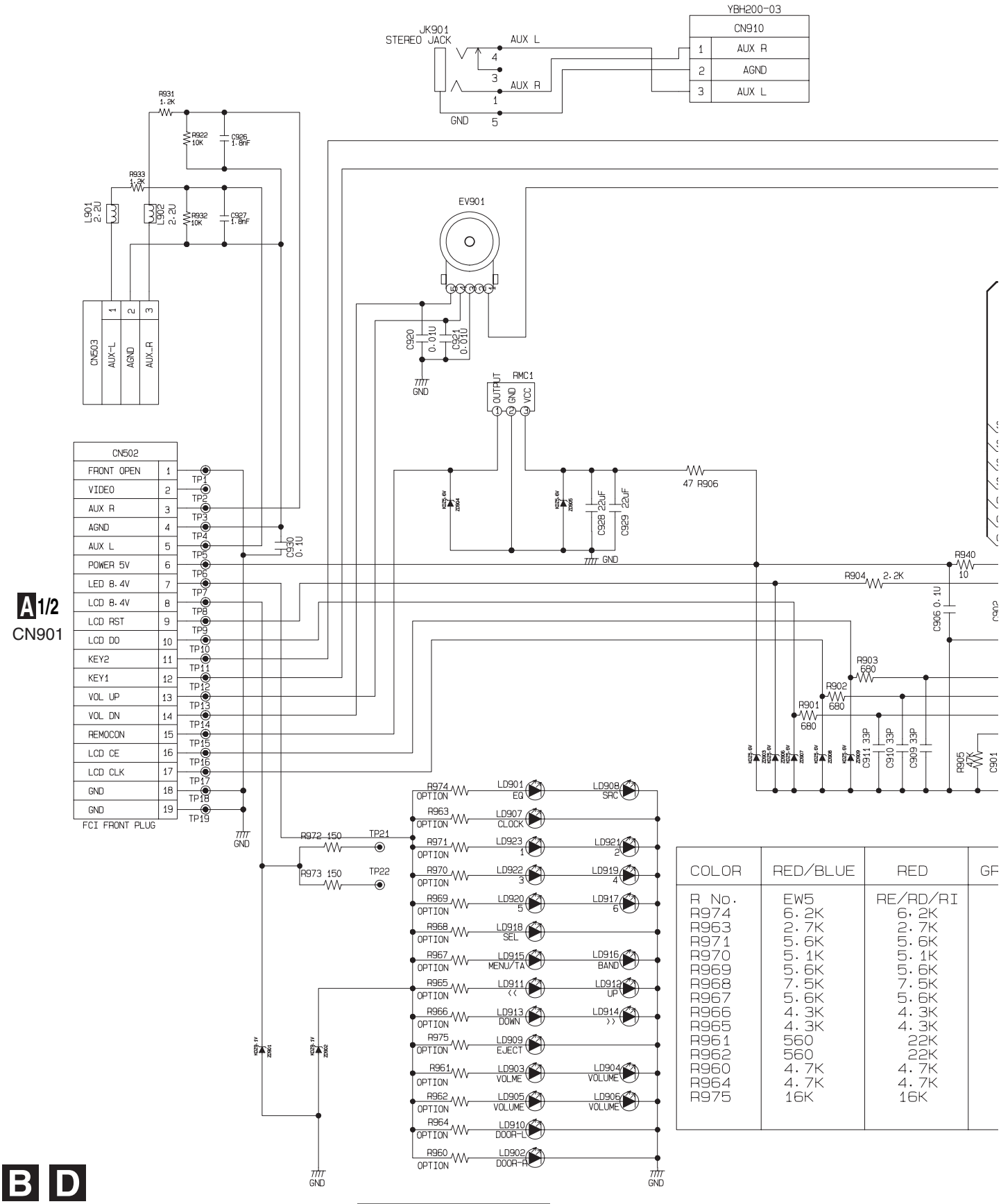
10.2 PCB ASSEMBLY, MAIN(2/2)




LINE OUT
REAR CHANNEL
IC701
S4580
IC702
S4580
JK703
6612J00015D
RR
RL
FR/SWR
FL/SWL
F702
3A
Not used
LINE OUT
FRONT OR
SW OPTION
AUDIO_FR
AUDIO_RL
AUDIO_RR
VIDEO
B/UP
LINEOUT_MUTE
GND1
H/BREAKE
A1/2

10.3 PCB ASSEMBLY, FRONT,HAND INSERT PCB ASSEMBLY, SUB AND AUTO SMT PCB ASSEMBLY, DISPLAY

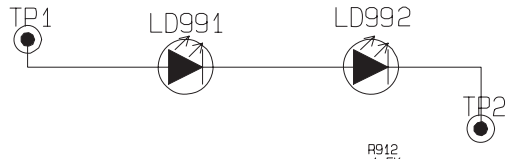
D HAND INSERT PCB ASSEMBLY, SUB



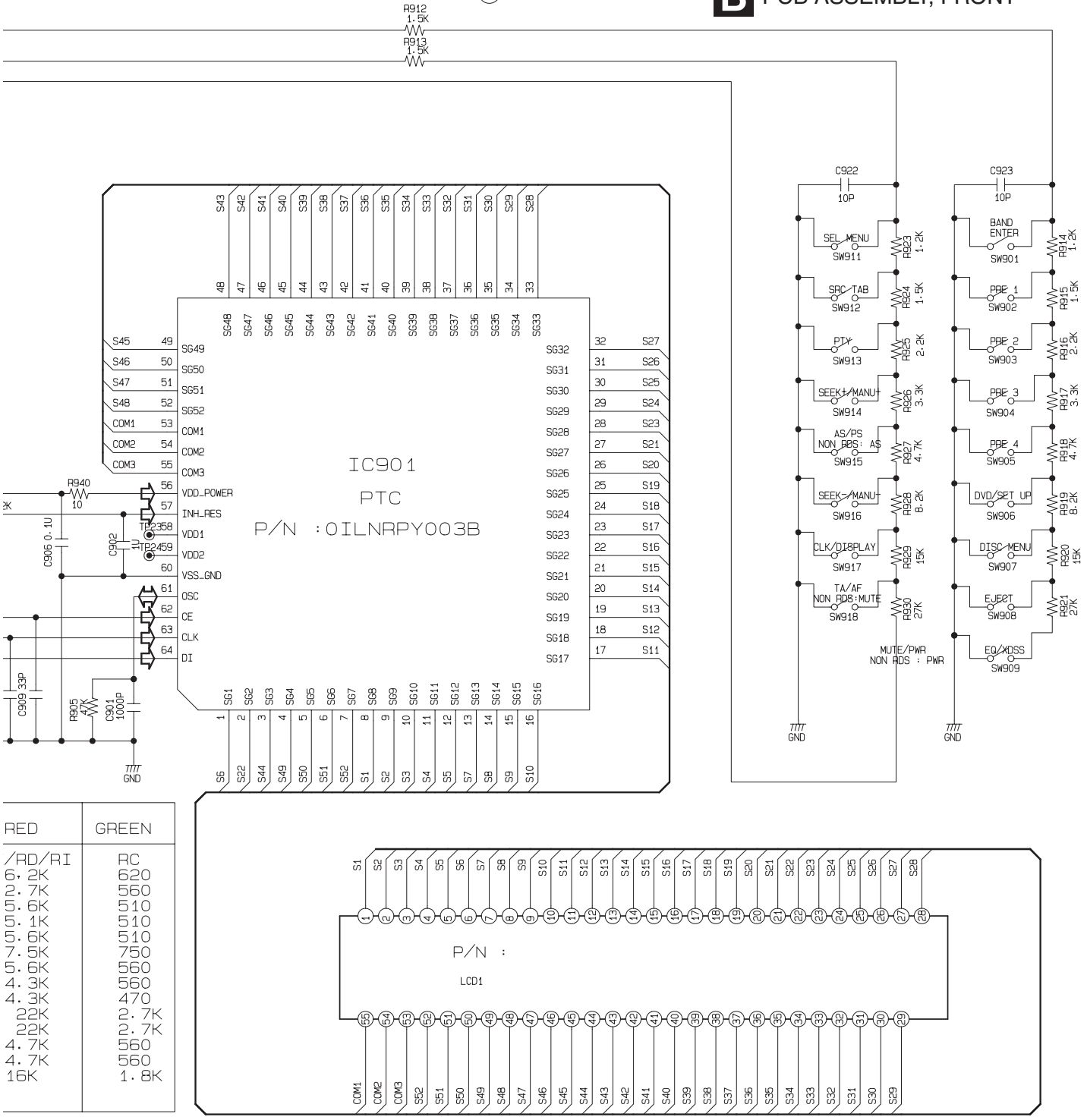
A1/2
CN901

COLOR	RED/BLUE	RED	GR
R No.	EW5	RE/RD/RI	
R974	6.2K	6.2K	
R963	2.7K	2.7K	
R971	5.6K	5.6K	
R970	5.1K	5.1K	
R969	5.6K	5.6K	
R968	7.5K	7.5K	
R967	5.6K	5.6K	
R966	4.3K	4.3K	
R965	4.3K	4.3K	
R961	560	22K	
R962	560	22K	
R960	4.7K	4.7K	
R964	4.7K	4.7K	
R975	16K	16K	

E AUTO SMT PCB ASSEMBLY, DISPLAY

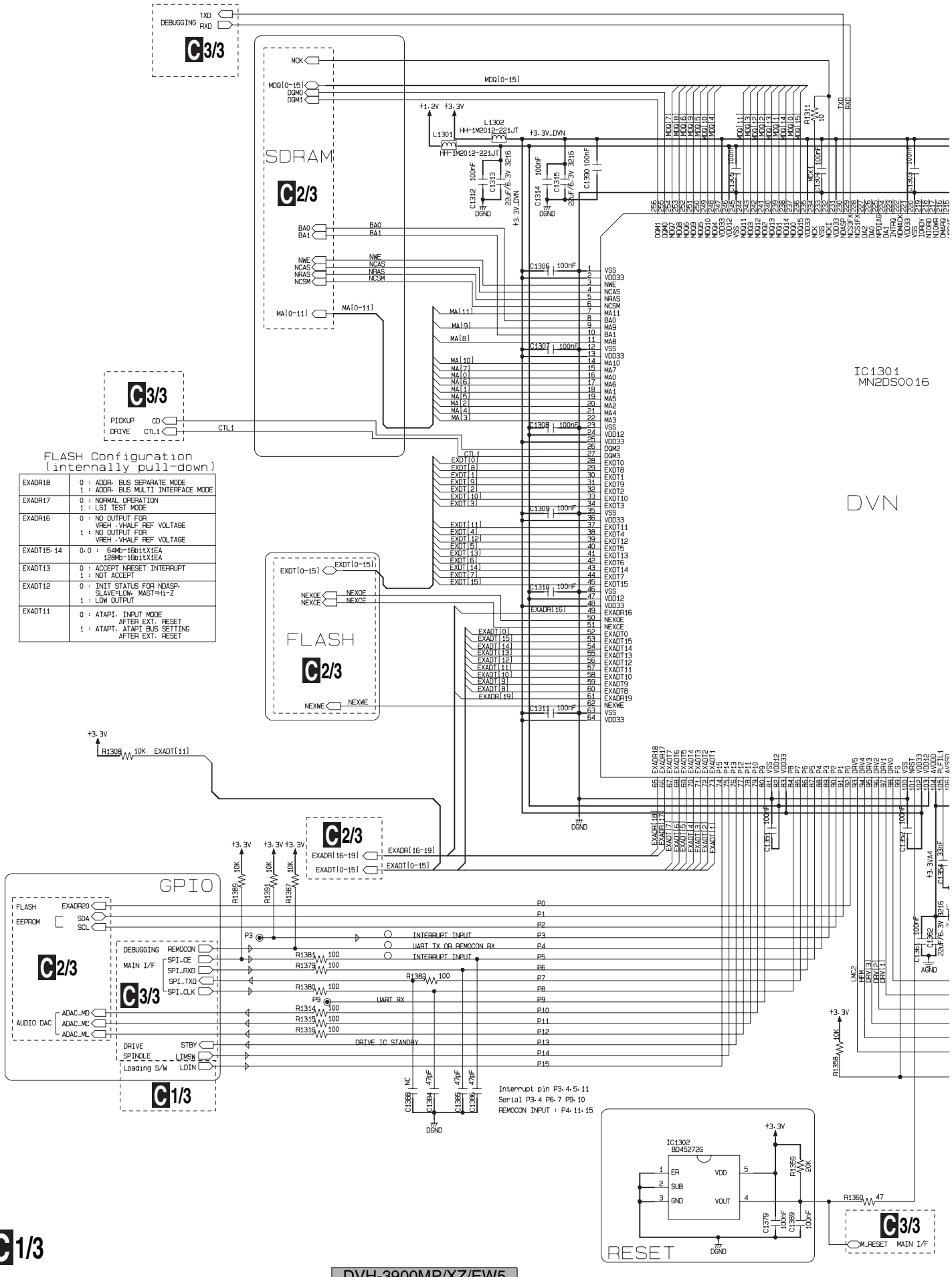


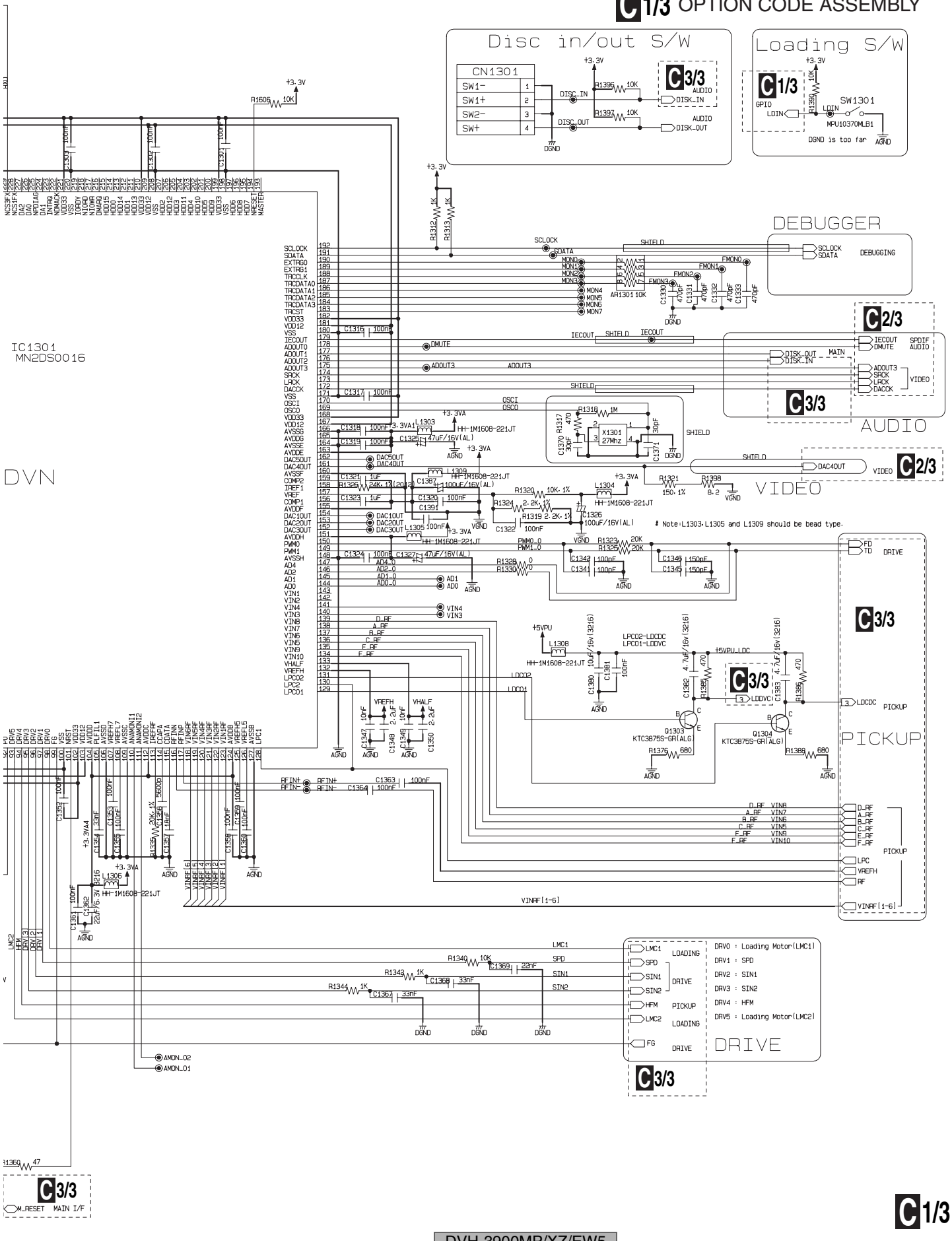
B PCB ASSEMBLY, FRONT



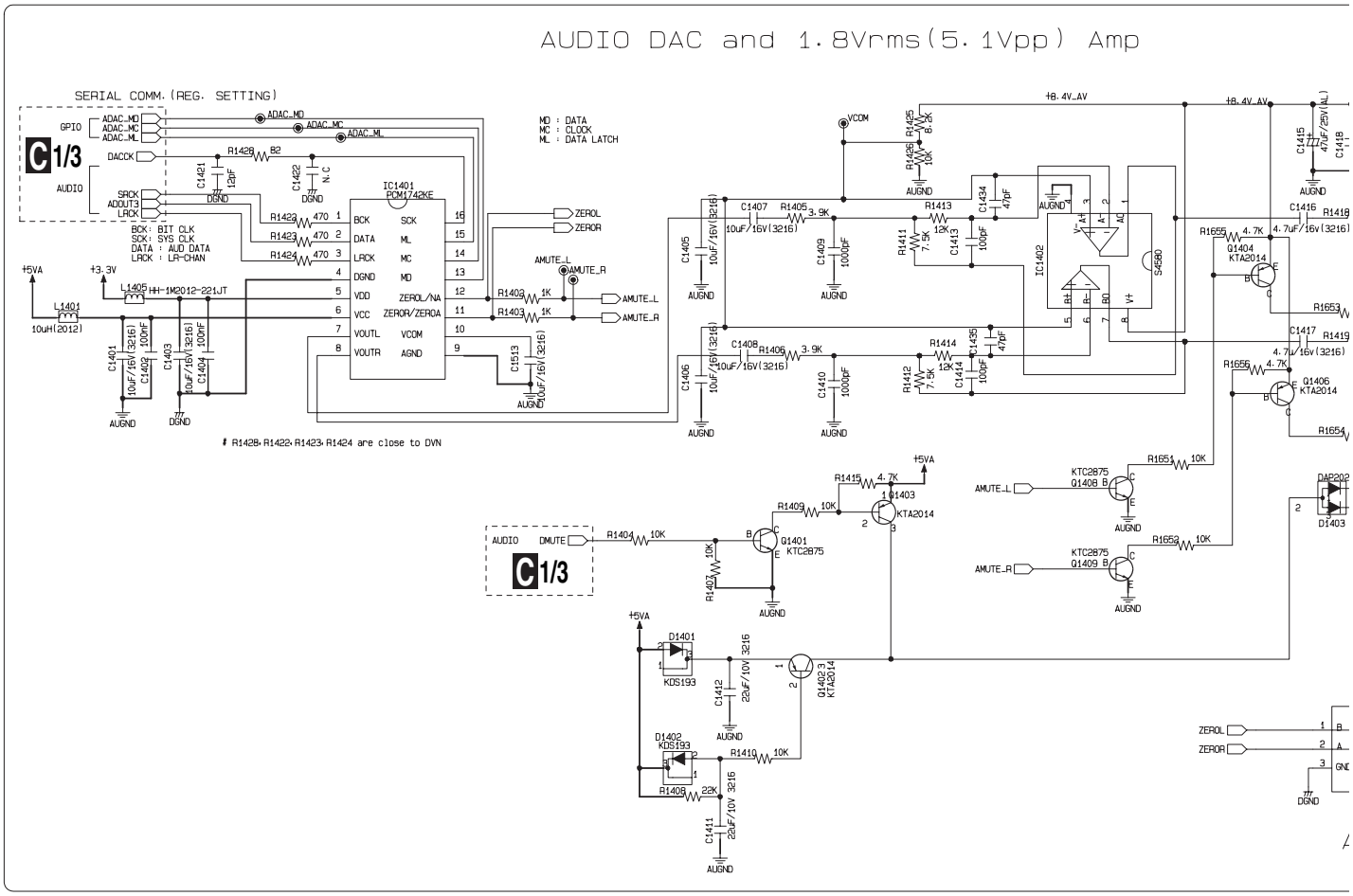
RED	GREEN
/RD/RI	RC
6.2K	620
2.7K	560
5.6K	510
5.1K	510
5.6K	510
7.5K	750
5.6K	560
4.3K	560
4.3K	470
22K	2.7K
22K	2.7K
4.7K	560
4.7K	560
16K	1.8K

10.4 OPTION CODE ASSENBLY(1/3)

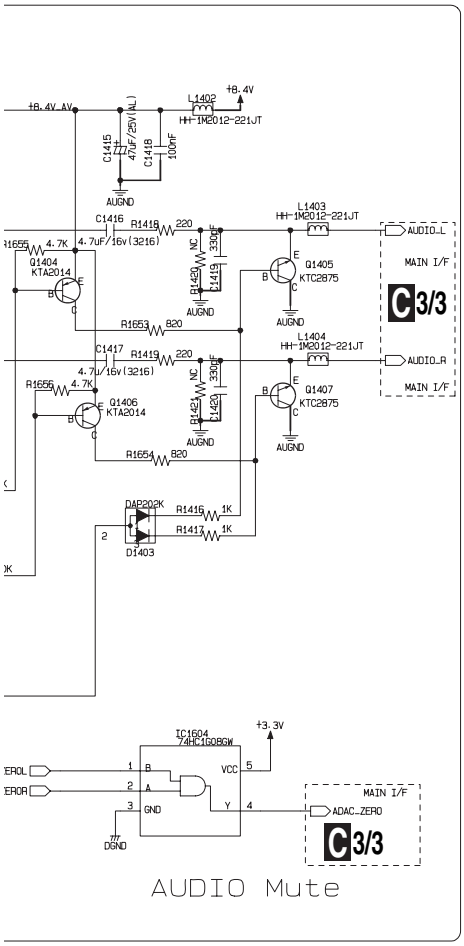


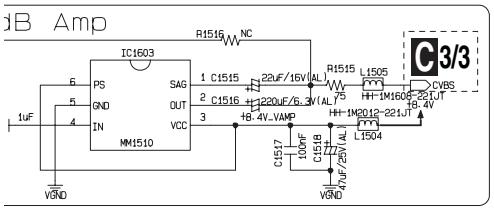

Disc in/out S/W
CN1301
SW1-
SW1+
SW2-
SW+
DISC_IN
DISC_OUT
DISK_IN
DISK_OUT
Loading S/W
SW1301
LDIN
MPU10370MLB1
DEBUGGER
SCLOCK
SDATA
DEBUGGING
IC1301
MN2DS0016
DVN
AUDIO
VIDEO
PICKUP
DRIVE
X1301
27Mhz
KTC3875S-GR(ALG)
DRV0 : Loading Motor(LMC1)
DRV1 : SPD
DRV2 : SIN1
DRV3 : SIN2
DRV4 : HFM
DRV5 : Loading Motor(LMC2)
Note:L1303,L1305 and L1309 should be bead type.
M_RESET MAIN I/F

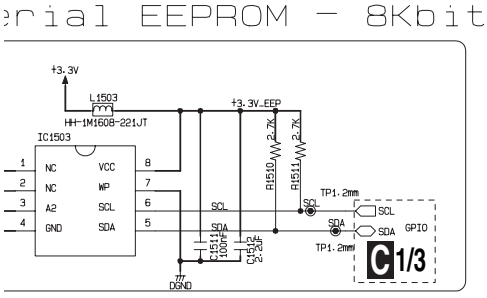
10.5 OPTION CODE ASSENBLY(2/3)

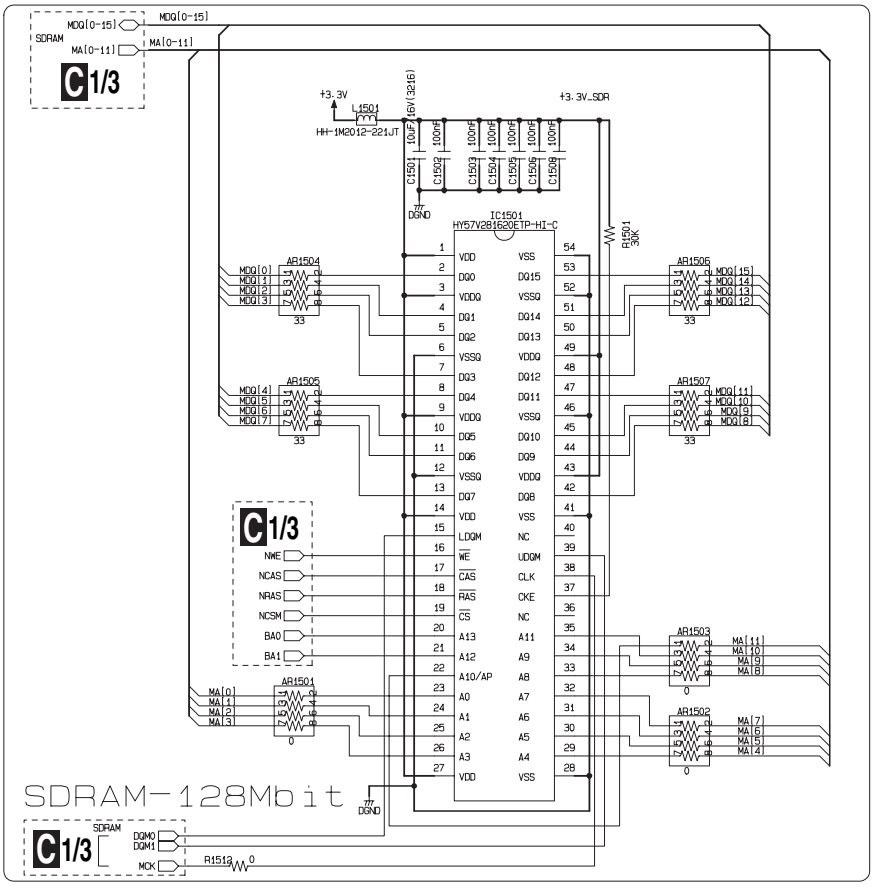


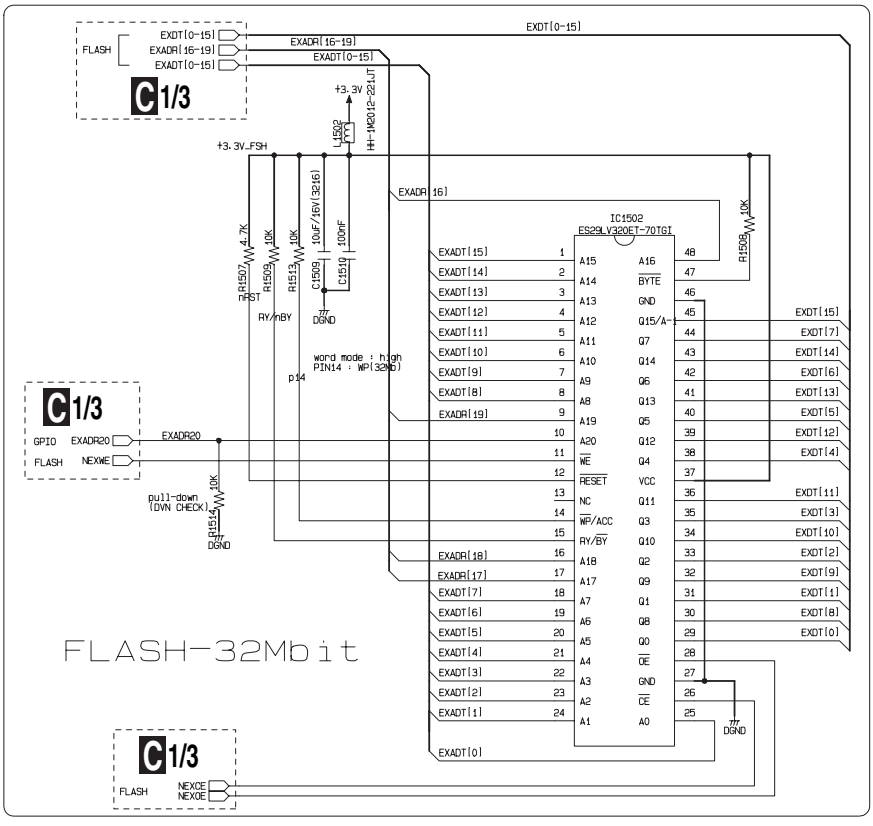
C 2/3


+8.4V_AV
L1402
HH-1M2012-221JT
+8.4V
C1415 47uF/25V(AL)
C1418 100nF
AUGND
C1416 4.7uF/16v(3216)
R1418 220
C1403 NC
C1419 330pF
R1655 4.7K
Q1404 KTA2014
Q1405 KTC2875
L1403 HH-1M2012-221JT
AUDIO_L
MAIN I/F
C3/3
R1653 820
C1417 4.7uF/16v(3216)
R1419 220
C1421 NC
C1423 330pF
R1656 4.7K
Q1406 KTA2014
Q1407 KTC2875
L1404 HH-1M2012-221JT
AUDIO_R
MAIN I/F
R1654 820
DAP202K
R1416 1K
R1417 1K
DI403
IC1604 74HC1G08GW
+3.3V
VCC
GND
DGND
MAIN I/F
ADAC_ZERO
C3/3
AUDIO Mute

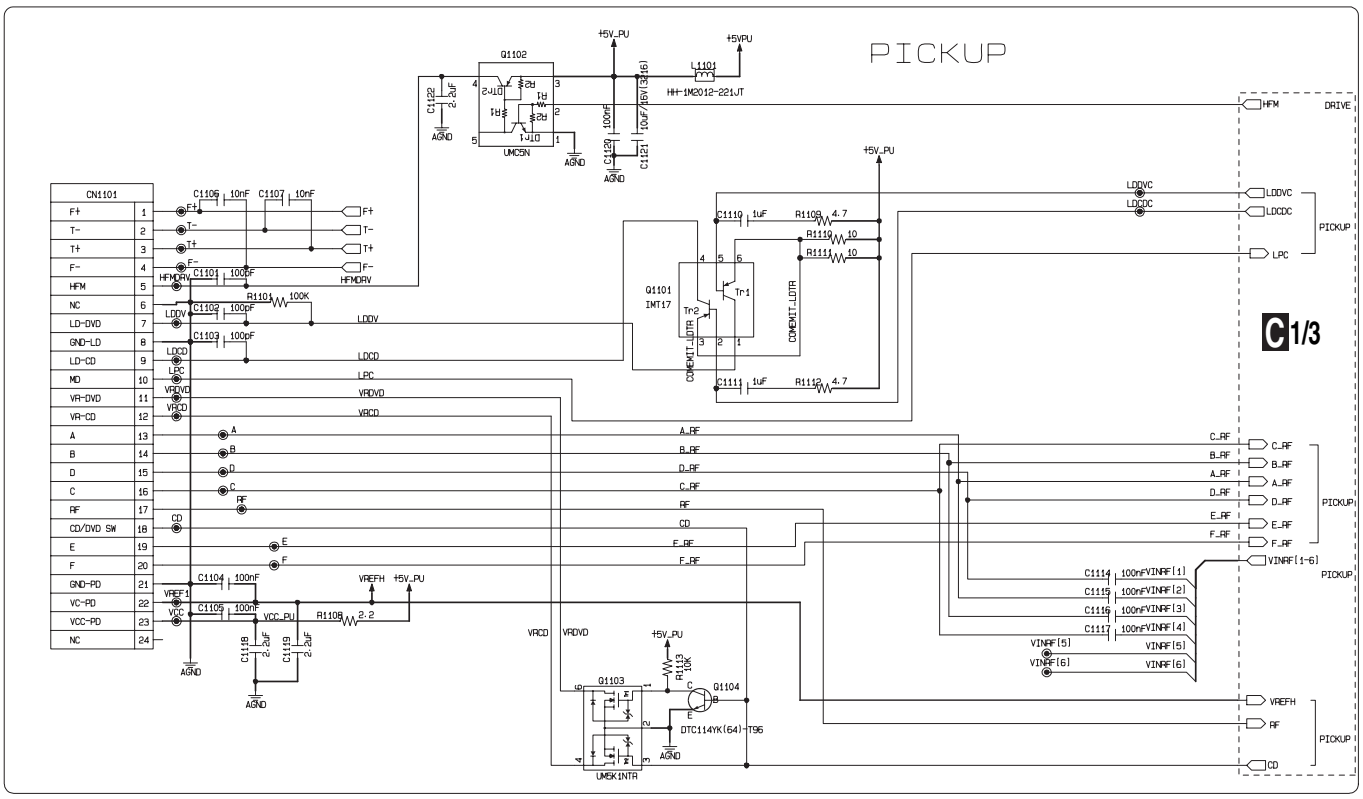

dB Amp
R1516 NC
IC1603
PS
GND
IN
SAG
OUT
VCC
MM1510
1uF
C1515 22uF/16V(AL)
C1516 220uF/6.3V(AL)
R1515 75
L1505 HH-1M1608-251JT
CVBS
+8.4V_VAMP
HH-1M2012-221JT
L1504
C1517 100nF
C1518 47uF/25V(AL)
VGND
C3/3

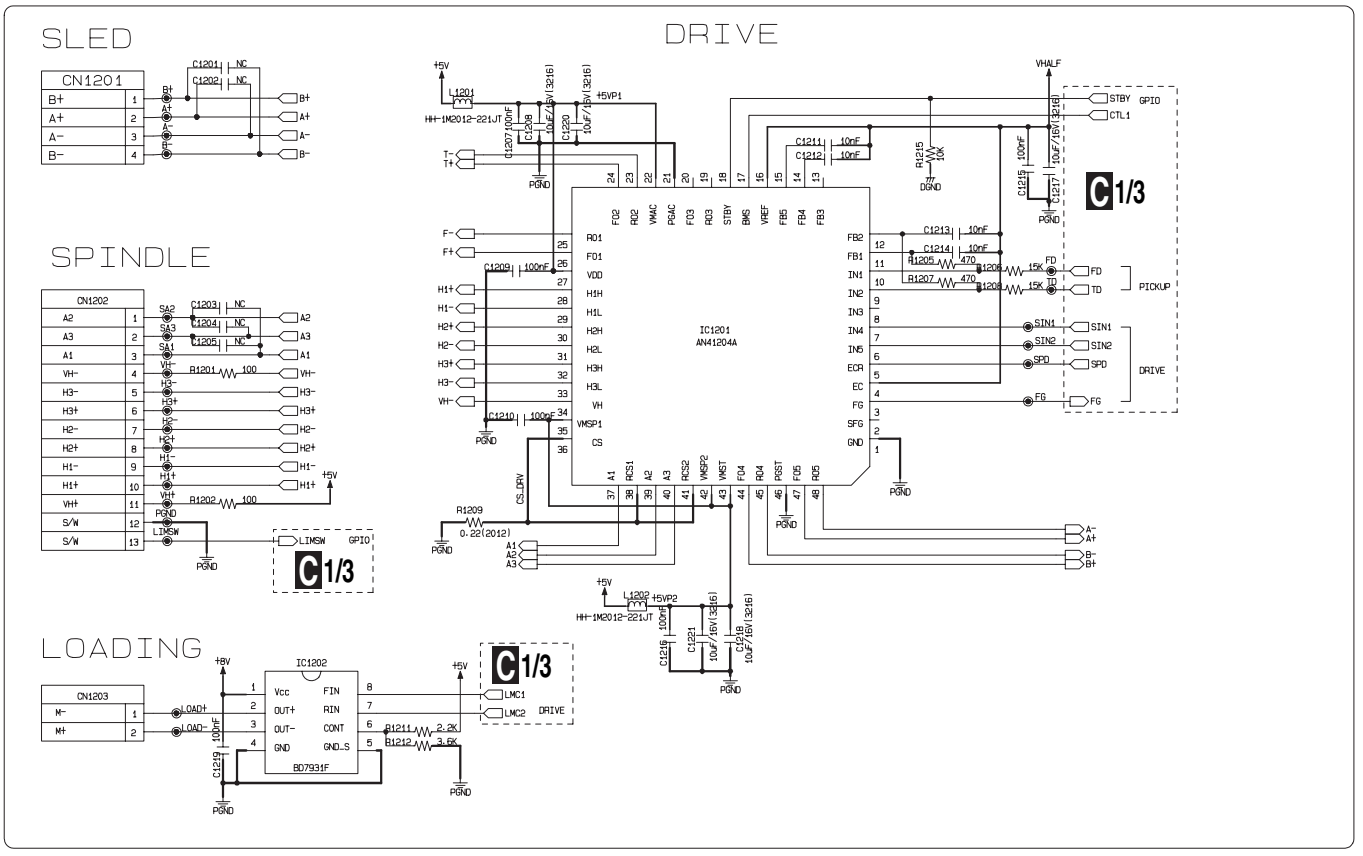

Serial EEPROM – 8Kbit
+3.3V
L1503
HH-1M1608-221JT
+3.3V_EEP
IC1503
NC
NC
A2
GND
VCC
WP
SCL
SDA
R1510 2.7K
R1511 2.7K
TP1.2mm
SCL
SDA
GPIO
C1511 2.2uF
C1512 2.2uF
DGND
C1/3


SDRAM
MDQ[0-15]
MA[0-11]
C1/3
+3.3V
L1501
HH-1M2012-221JT
+3.3V_SDR
C1501 10uF/16V(3216)
C1502 100nF
C1503 100nF
C1504 100nF
C1505 100nF
C1506 100nF
C1508 100nF
DGND
IC1501
HY57V281620ETP-HI-C
R1501 30K
AR1504
AR1505
AR1506
AR1507
AR1503
AR1502
AR1501
33
0
C1/3
NWE
NCAS
NRAS
NCSM
BA0
BA1
SDRAM – 128Mbit
SDRAM
DQM0
DQM1
MCK
R1518 0


FLASH
EXDT[0-15]
EXADR[16-19]
EXADT[0-15]
C1/3
+3.3V
L1502
HH-1M2012-221JT
+3.3V_FSH
EXADR[16]
IC1502
ES29LV320ET-70TGI
R1507 4.7K
R1509 10K
R1513 10K
C1508 10uF/16V(3216)
C1510 100nF
R1508 10K
nRST
RY/nBY
DGND
word mode : high
PIN14 : WP(32MD)
p14
GPIO
EXADR20
FLASH
NEXWE
pull-down
(DVN CHECK)
R1512 10K
FLASH – 32Mbit
NEXOE
C2/3

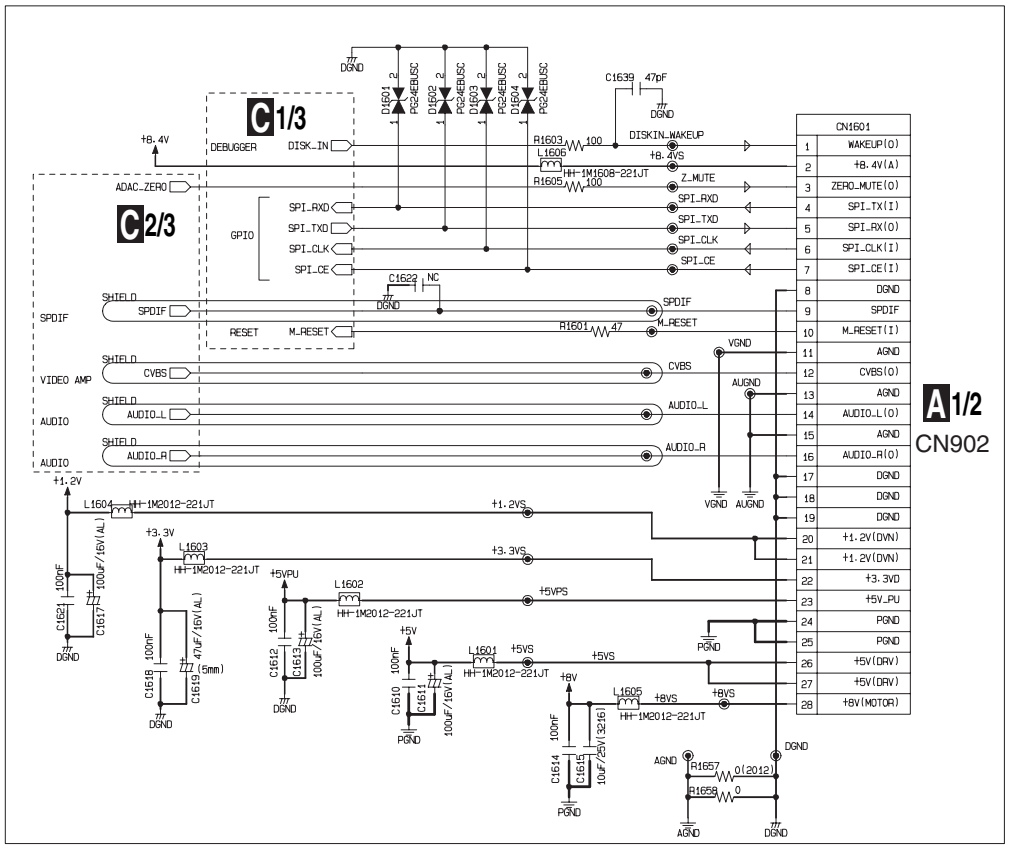
10.6 OPTION CODE ASSENBLY(3/3)

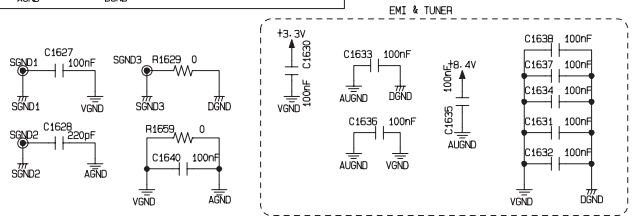




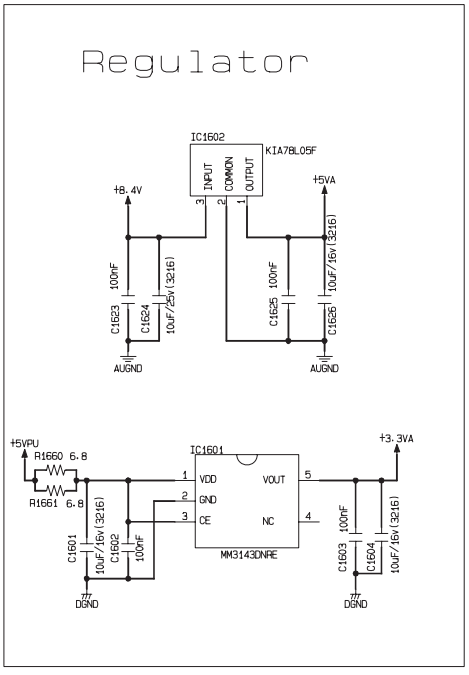
C 3/3

MAIN I/F CONNECTOR

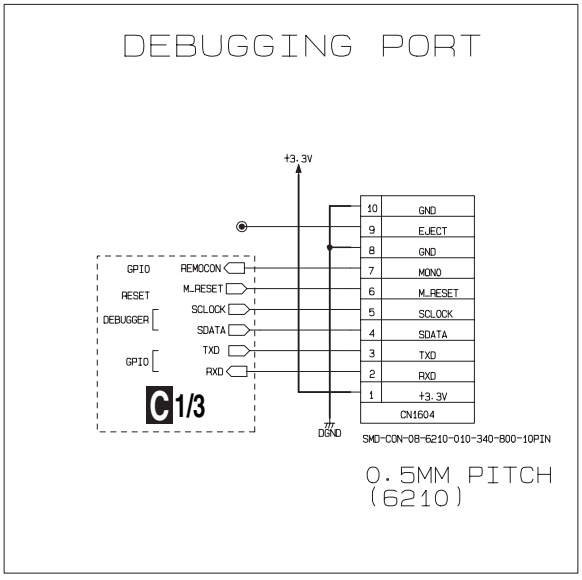




Regulator



DEBUGGING PORT



10.7 WAVEFORMS

Figure 1 (Initial connecting the Main connector and supply of electric power)

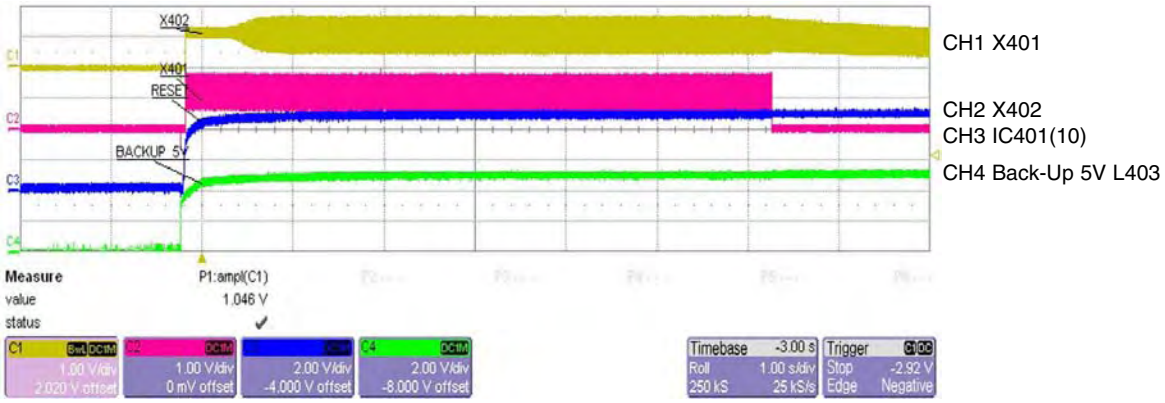


Figure 2 (Power ON and started the front Micom control data)

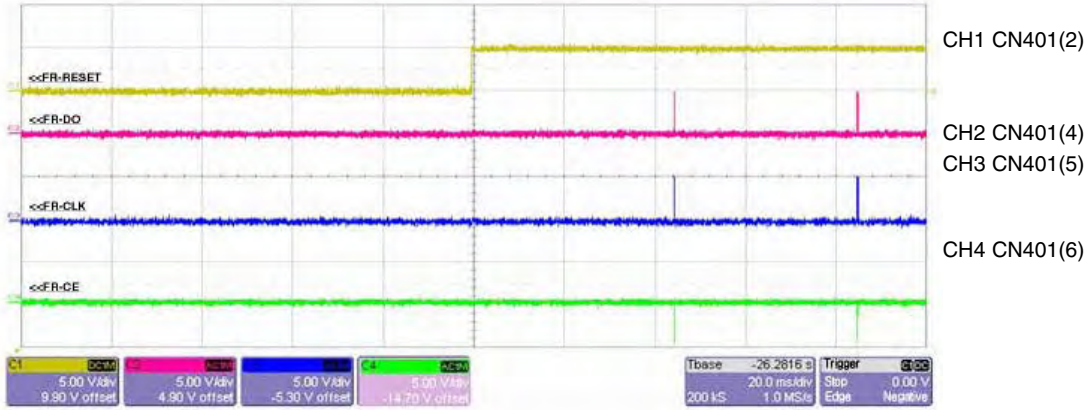


Figure 3 (Front Micom control data)

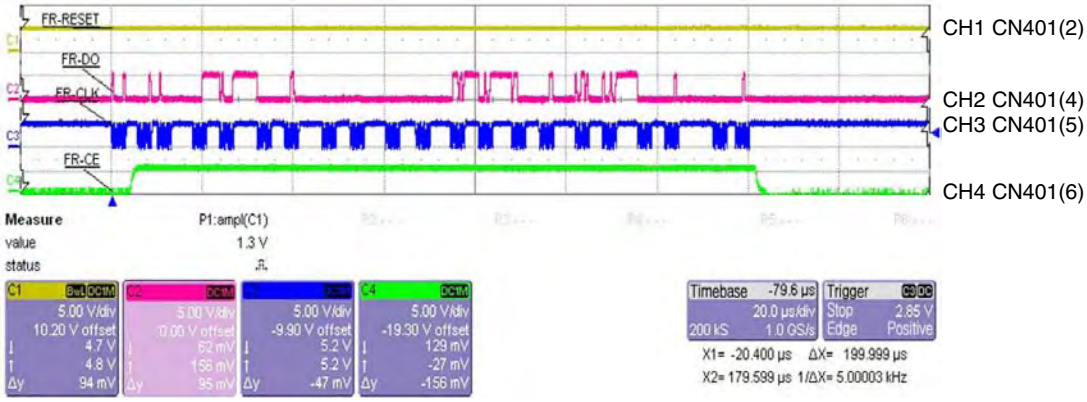
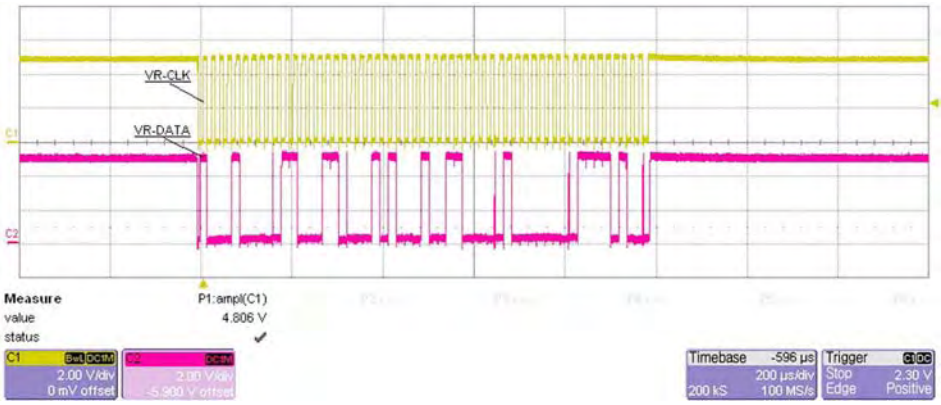


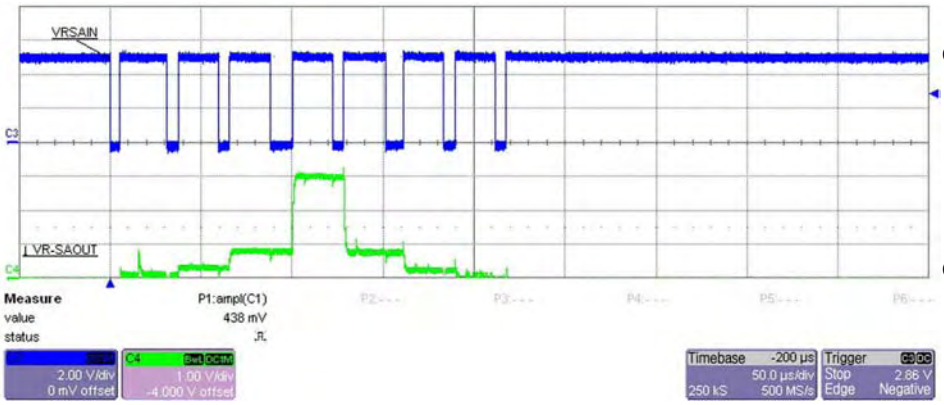
Figure 4 (The E-VR control data)



CH1 IC601(12)

CH2 IC601(13)

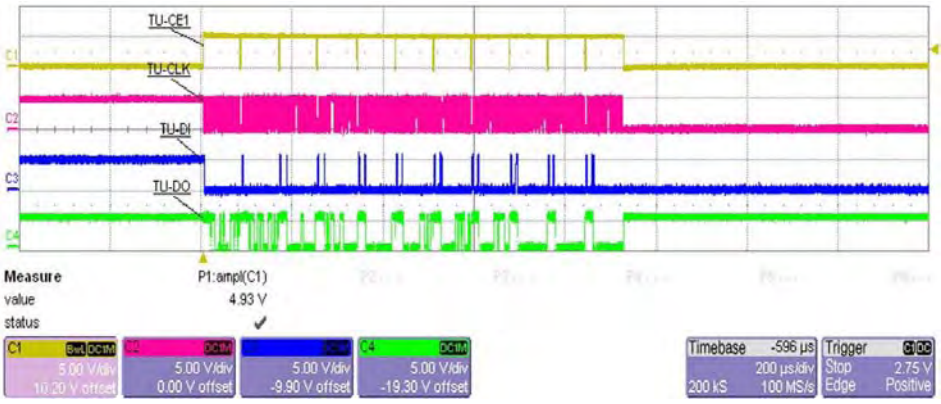
Figure 5 (The E-VR Level meter signal data, 1 kHz)



CH1 IC601(14) SAIN

CH2 IC601(16) SAOUT

Figure 6 (The Tuner initial control)



CH1 TU101 CE1(15)

CH2 TU101 CLK(13)

CH3 TU101 DI(14)

CH4 TU101 DO(12)

Figure 7 (The Tuner control data)

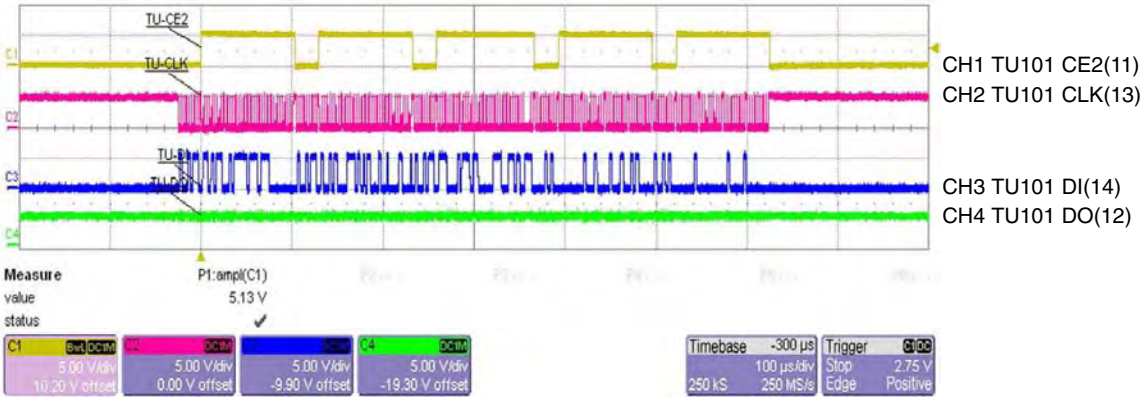


Figure 8 (The RDS data)

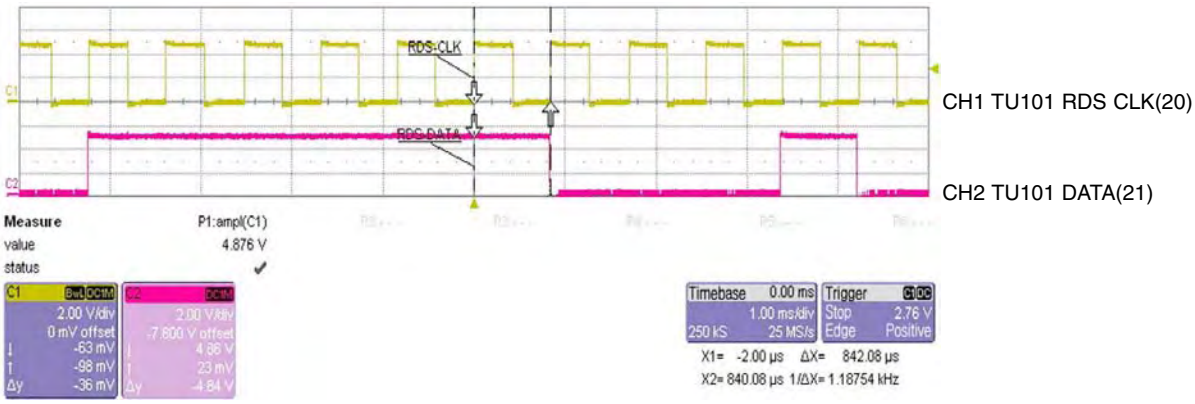


Figure 9 (Loading motor control about loading condition)

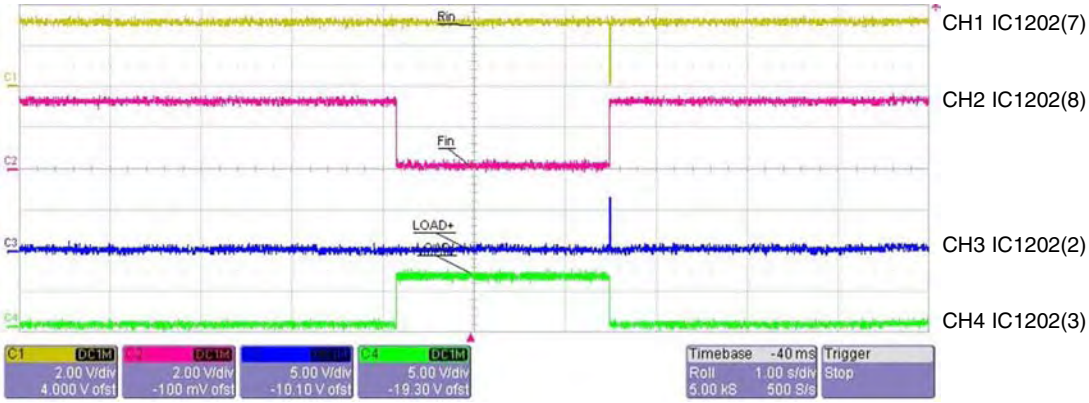


Figure 10 (Switch condition about loading)

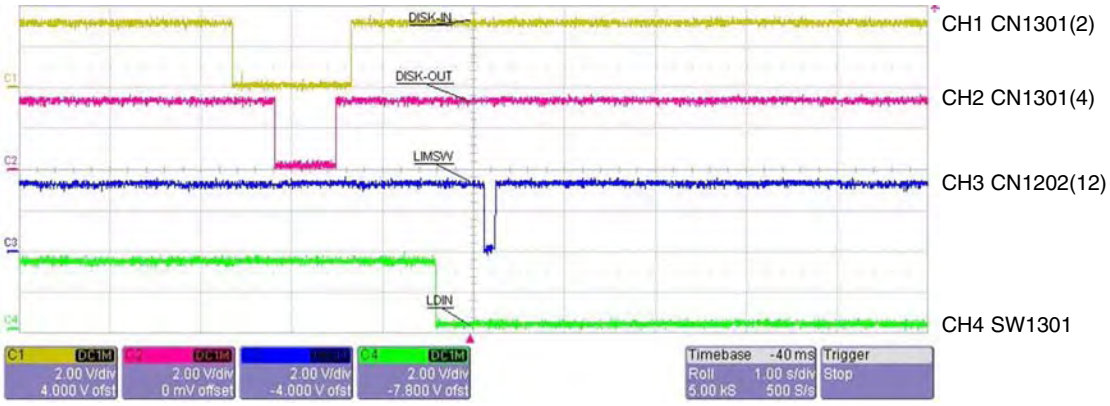


Figure 11 (Loading motor control about unloading condition)

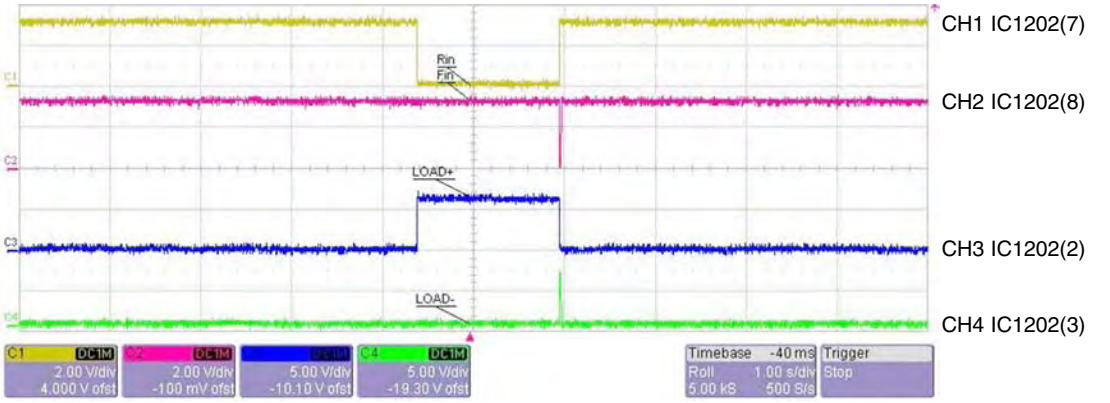


Figure 12 (Switch condition about unloading)

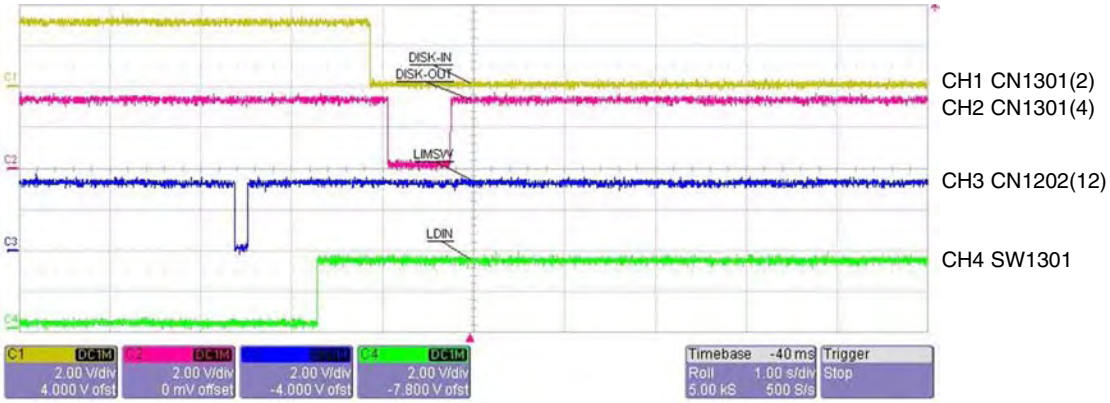
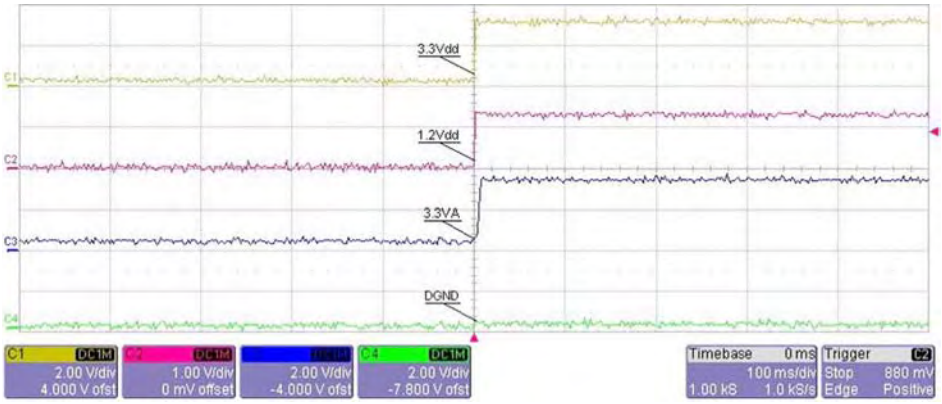


Figure 13 (MPEG IC voltage condition when the battery & ACC start on)


3.3Vdd
1.2Vdd
3.3VA
DGND
C1 DC1M 2.00 V/div 4.000 V ofst
C2 DC1M 1.00 V/div 0 mV offset
2.00 V/div -4.000 V ofst
C4 DC1M 2.00 V/div -7.800 V ofst
Timebase 0 ms 100 ms/div 1.00 kS 1.0 kS/s
Trigger C3 Stop 880 mV Edge Positive

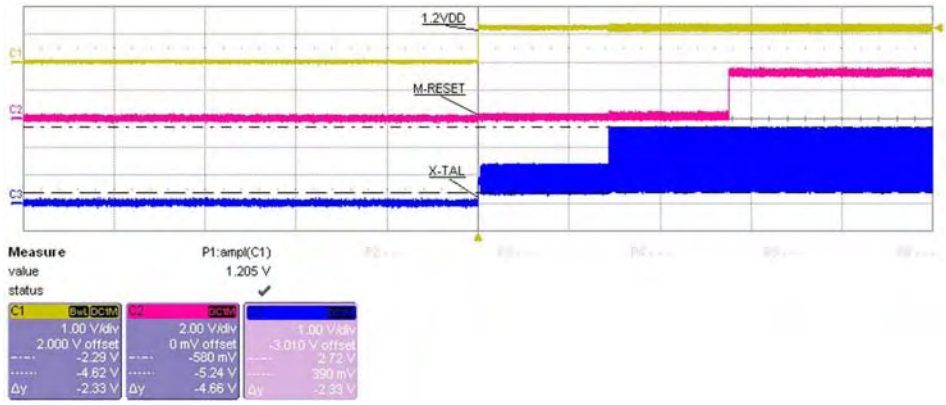
CH1 IC1301(2,13,25, 36,48...)

CH2 IC1301(24,47, 103,167...)

CH3 IC1301(151,160,165)

CH4 IC1301(1,12,23, 35,46...)

Figure 14 (MPEG RESET when the battery & ACC start on)

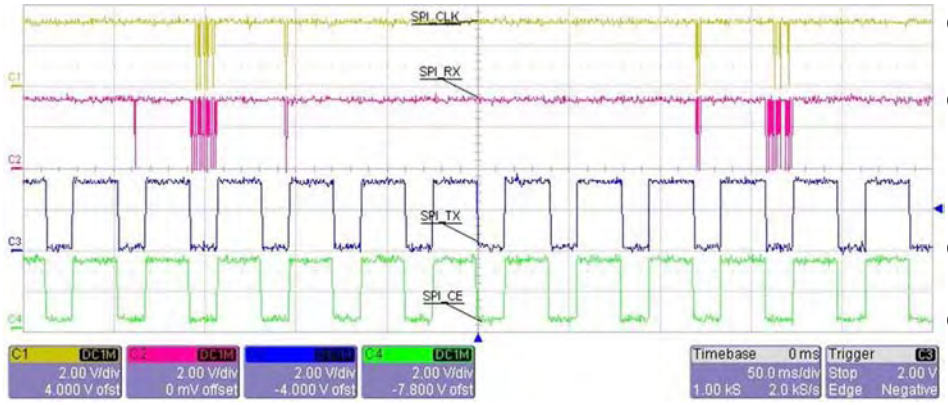

1.2VDD
M-RESET
X-TAL
Measure
value
status
P1:ampl(C1)
1.205 V
C1 DC1M 1.00 V/div 2.000 V offset -2.29 V -4.62 V Δy -2.33 V
C2 DC1M 2.00 V/div 0 mV offset -580 mV -5.24 V Δy -4.66 V
1.00 V/div -3.010 V offset 2.72 V 390 mV Δy -2.33 V

CH1 L1604

CH2 CN1601(10)

CH3 X1301(1,3)

Figure 15 (SPI Interface)


SPI_CLK
SPI_RX
SPI_TX
SPI_CE
C1 DC1M 2.00 V/div 4.000 V ofst
C2 DC1M 2.00 V/div 0 mV offset
2.00 V/div -4.000 V ofst
C4 DC1M 2.00 V/div -7.800 V ofst
Timebase 0 ms 50.0 ms/div 1.00 kS 2.0 kS/s
Trigger C3 Stop 2.00 V Edge Negative

CH1 CN1601(6)

CH2 CN1601(5)

CH3 CN1601(4)

CH4 CN1601(7)

Figure 16 (Spindle motor driving signal SA1, SA2, SA3 when spindle motor is working)

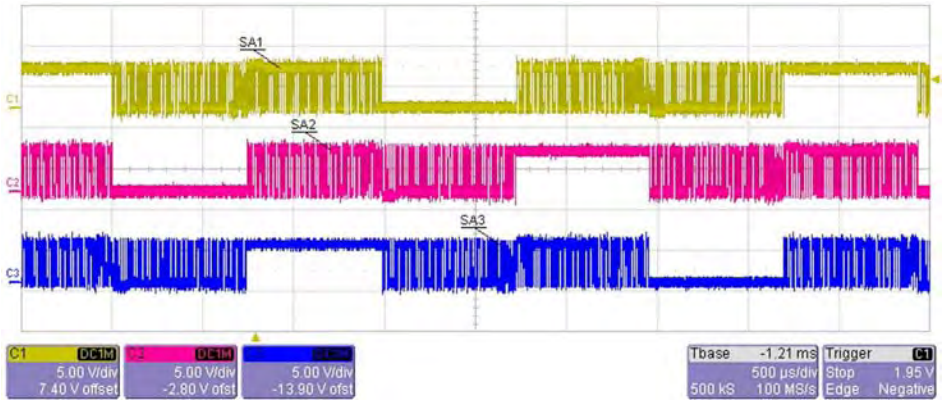


Figure 17 (Hall sensor signal H1+, H2+, H3+ and SPD when spindle motor is working)

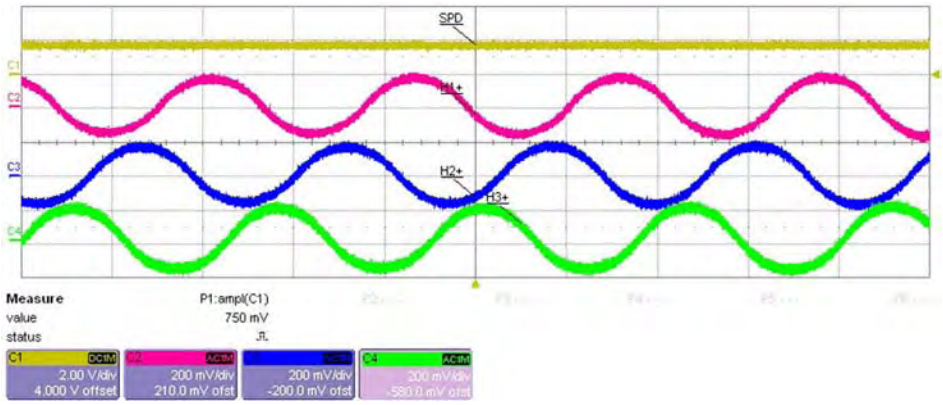


Figure 18 (Limit switch condition signal LDIN when disc in)

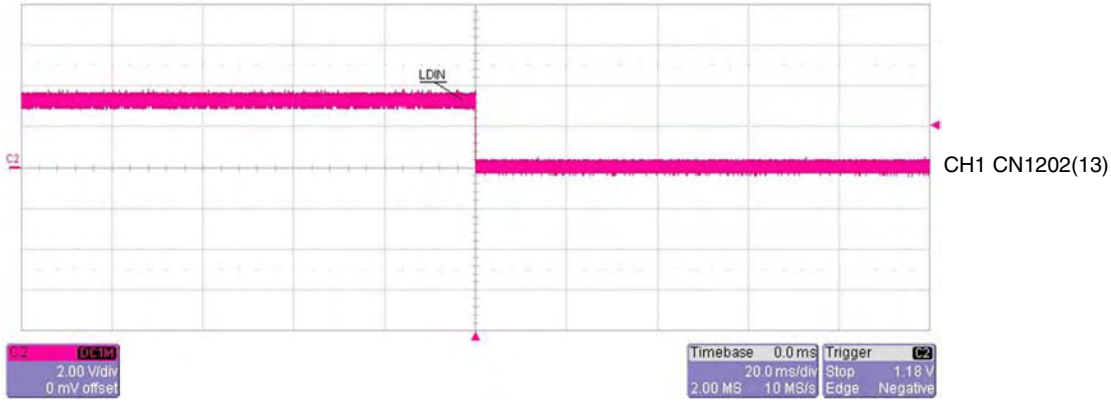
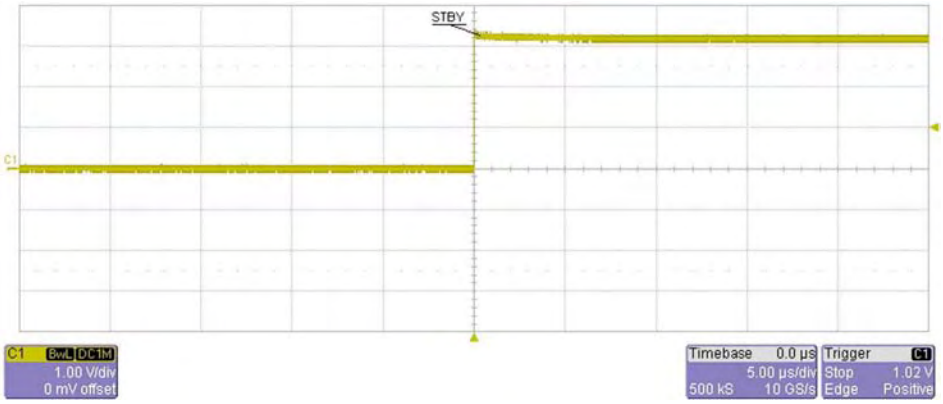
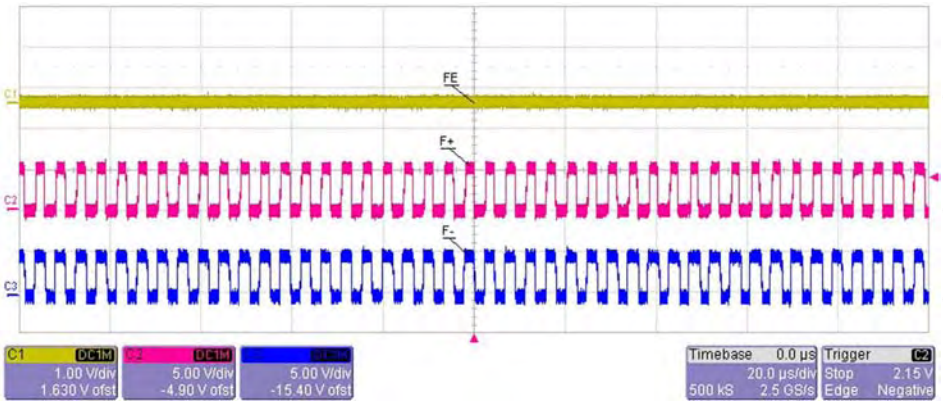


Figure 19 (Motor driver mute signal STBY when spinup process)



CH1 IC1201(18)

Figure 20 (Focus driving out F+, F- and focus error FE when nominal state)

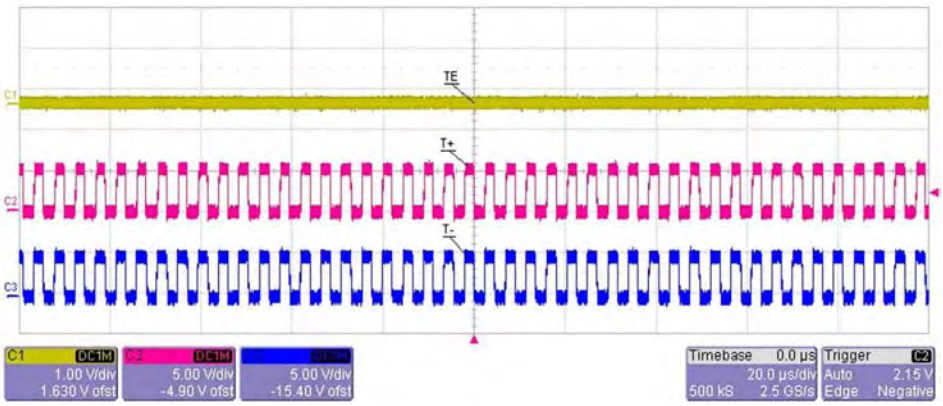


CH1 TP : FMON0

CH2 CN1101(1)

CH3 CN1101(4)

Figure 21 (Track driving out T+, T- and track error TE when nominal state)

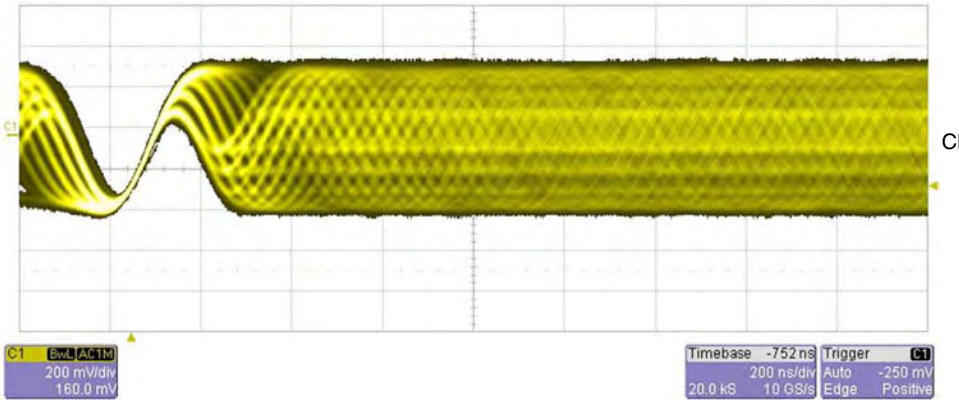


CH1 TP:FMON1

CH2 CN1101(3)

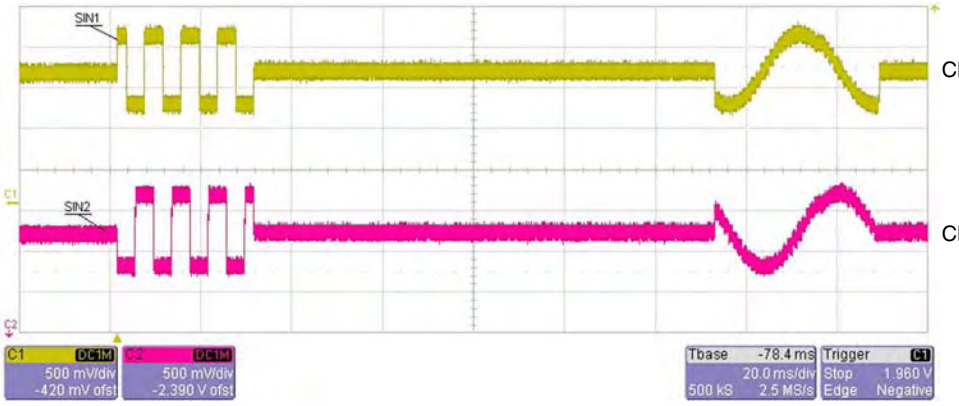
CH3 CN1101(2)

Figure 22 (RF Signal)



CH1 CN1101(17)

Figure 23 (Sled stepping motor driving signal SIN1, SIN2 when sled move to origin point)



CH1 IC1201(7)

CH2 IC1201(6)

Figure 24 (Stepping motor phase signal A+, A-, B+, B- when sled move to origin point)

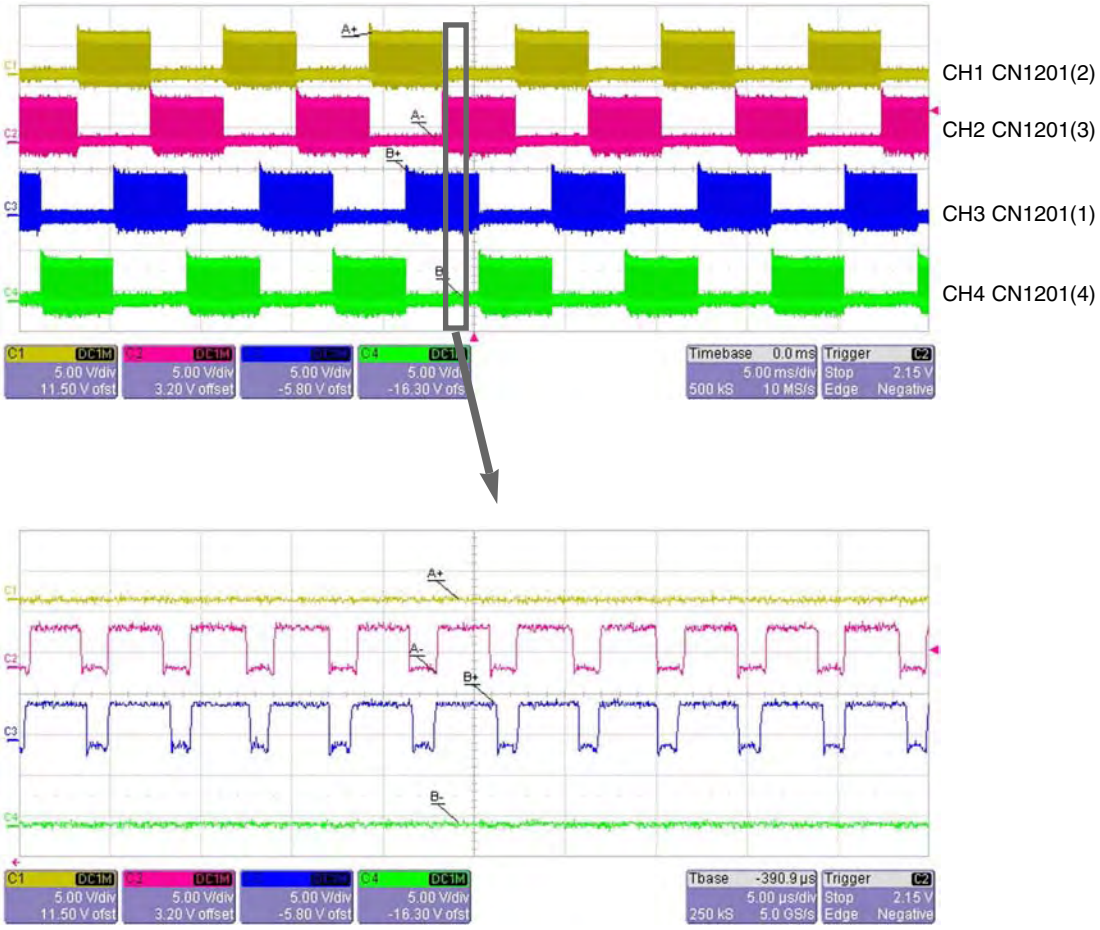

A+
A-
B+
B-
CH1 CN1201(2)
CH2 CN1201(3)
CH3 CN1201(1)
CH4 CN1201(4)
C1 DC1M 5.00 V/div 11.50 V ofst
C2 DC1M 5.00 V/div 3.20 V offset
5.00 V/div -5.80 V ofst
C4 DC1M 5.00 V/div -16.30 V ofst
Timebase 0.0 ms 5.00 ms/div 500 kS 10 MS/s
Trigger C2 Stop 2.15 V Edge Negative
Tbase -390.9 µs 5.00 µs/div 250 kS 5.0 GS/s

Figure 25 (Voltage condition about DAC IC)

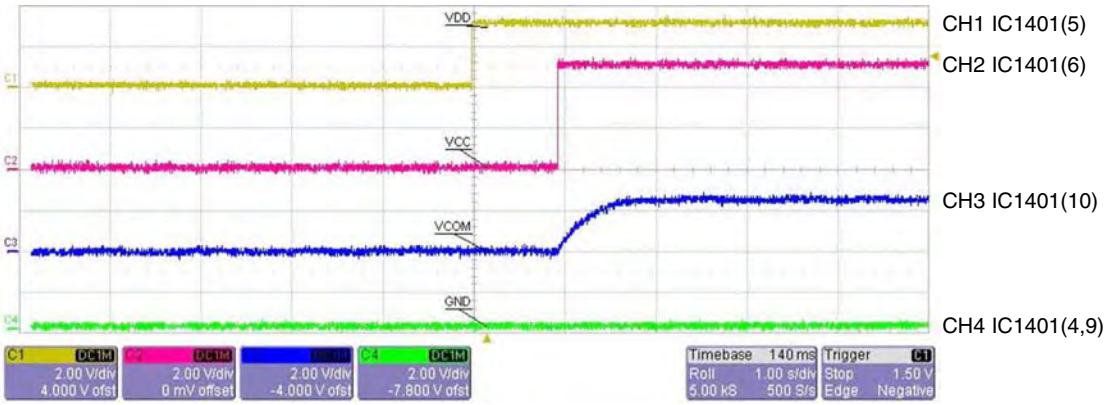


Figure 26 (DAC Control Signal / No DATA signal)

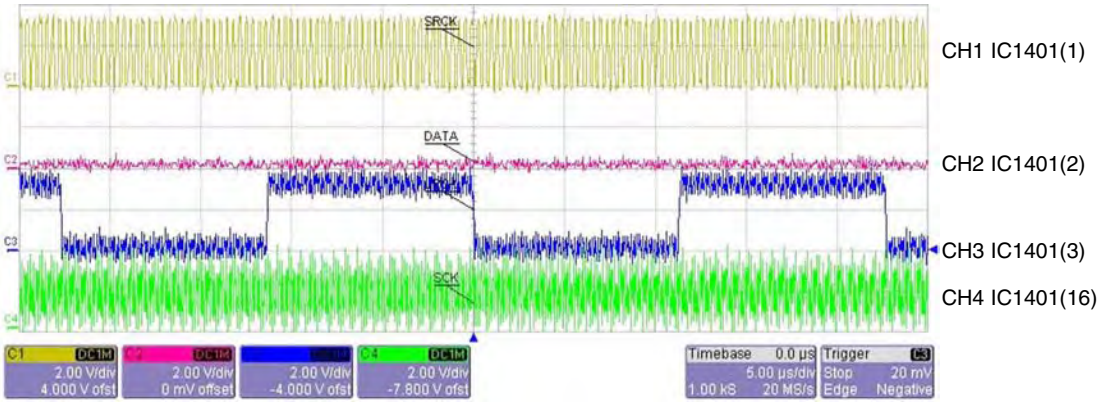


Figure 27 (DAC control signal / 1 kHz sinewave)

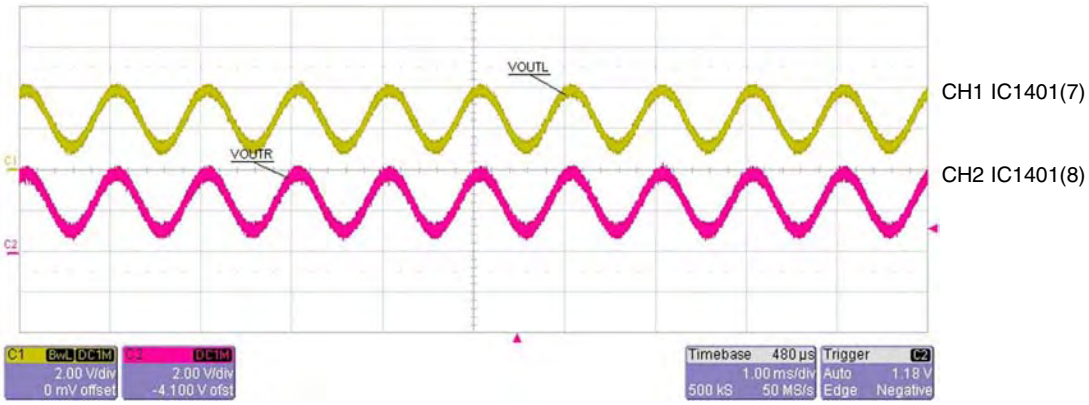


Figure 28 (Audio mute / Track jump)

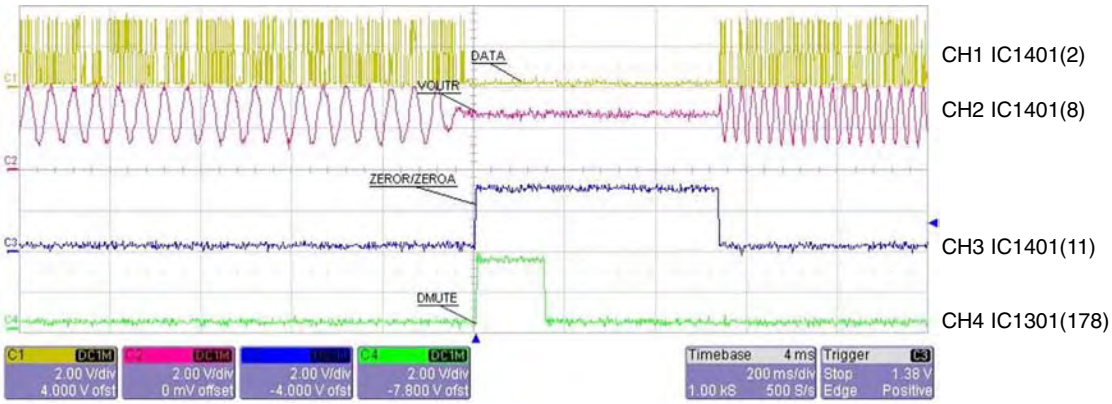
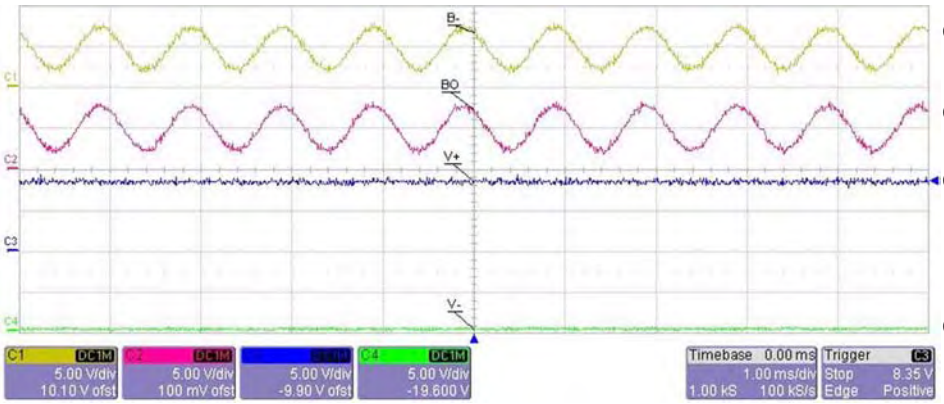


Figure 29 (OPAMP / 1 kHz sinewave)


B-
BO
V+
V-
C1 DC1M 5.00 V/div 10.10 V ofst
C2 DC1M 5.00 V/div 100 mV ofst
5.00 V/div -9.90 V ofst
C4 DC1M 5.00 V/div -19.600 V
Timebase 0.00 ms 1.00 ms/div 1.00 kS 100 kS/s
Trigger C3 Stop 8.35 V Edge Positive

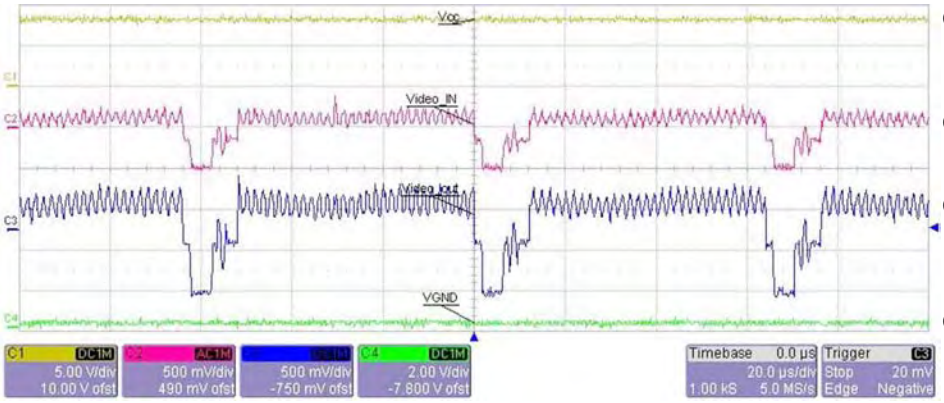
CH1 IC1402(6)

CH2 IC1402(7)

CH3 IC1402(8)

CH4 IC1402(4)

Figure 30 (6 dB Video amplifier)


Vcc
Video_IN
VGND
C1 DC1M 5.00 V/div 10.00 V ofst
C2 AC1M 500 mV/div 490 mV ofst
500 mV/div -750 mV ofst
C4 DC1M 2.00 V/div -7.800 V ofst
Timebase 0.0 µs 20.0 µs/div 1.00 kS 5.0 MS/s
Trigger C3 Stop 20 mV Edge Negative

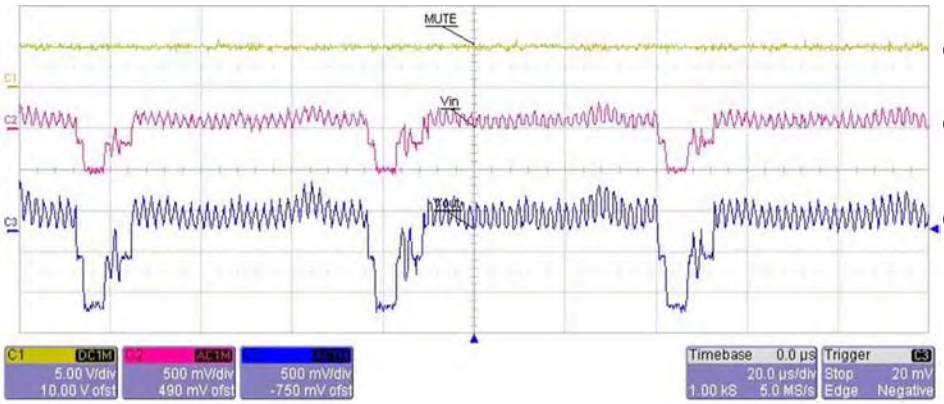
CH1 IC1603(3)

CH2 IC1603(4)

CH3 IC1603(2)

CH4 IC1603(5)

Figure 31 (IC403 NJM2279M)

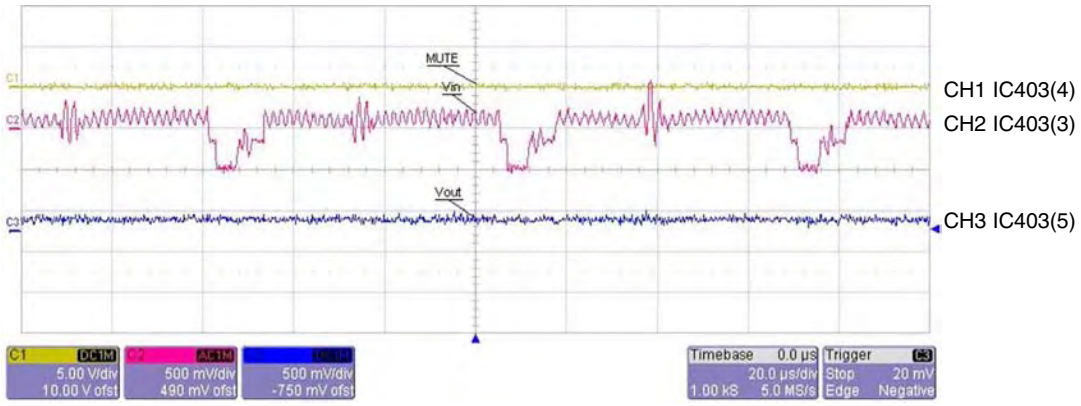

MUTE
Vin
C1 DC1M 5.00 V/div 10.00 V ofst
C2 AC1M 500 mV/div 490 mV ofst
500 mV/div -750 mV ofst
Timebase 0.0 µs 20.0 µs/div 1.00 kS 5.0 MS/s
Trigger C3 Stop 20 mV Edge Negative

CH1 IC403(4)

CH2 IC403(3)

CH3 IC403(5)

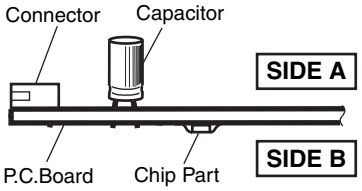
Figure 32 (IC403 NJM2279M / Mute ON)



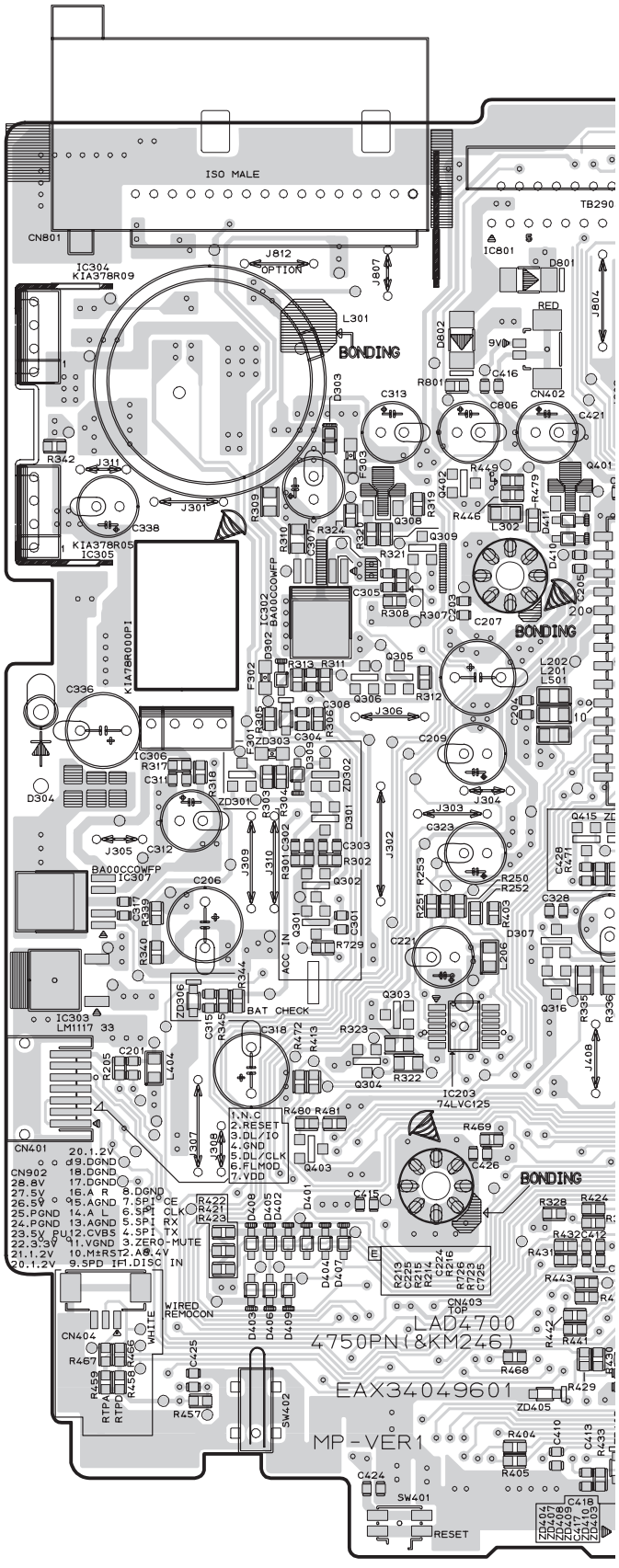
11. PCB CONNECTION DIAGRAM
11.1 PCB ASSEMBLY, MAIN

NOTE FOR PCB DIAGRAMS

1. The parts mounted on this PCB include all necessary parts for several destination.
   For further information for respective destinations, be sure to check with the schematic diagram.
2. Viewpoint of PCB diagrams

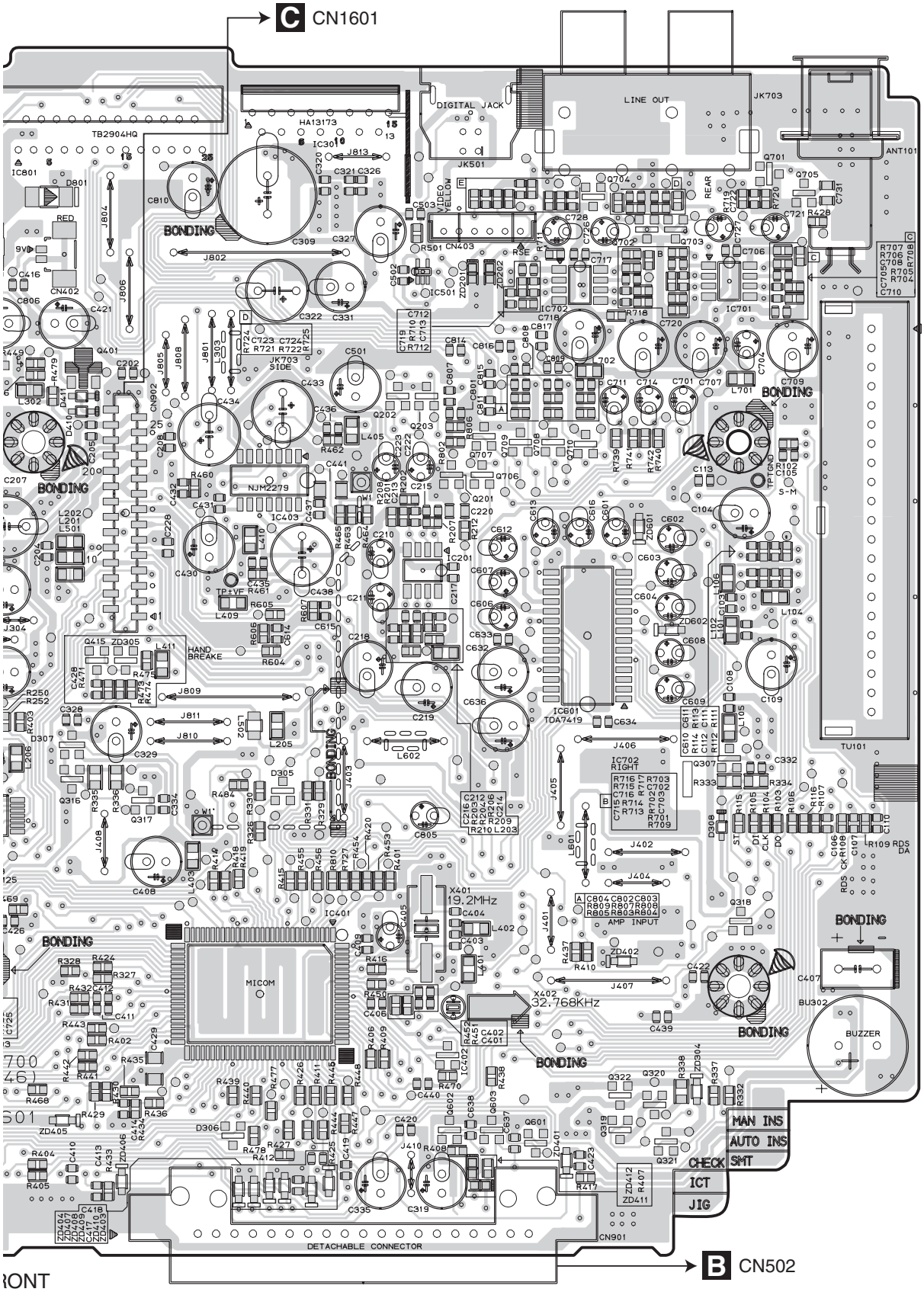


A PCB ASSEMBLY, MAIN



FRONT

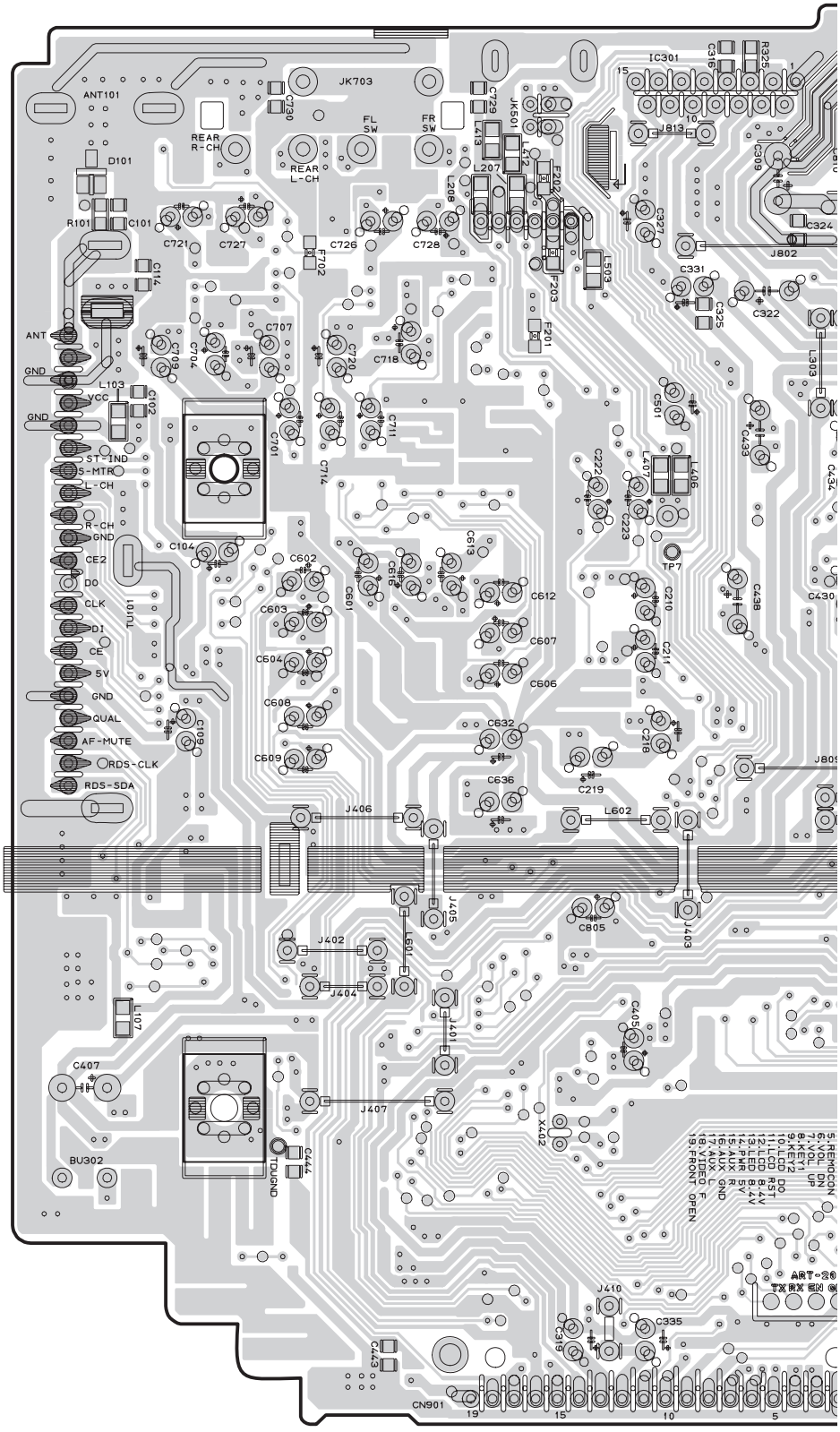
SIDE A



FRONT

DVH-3900MP/XZ/EW5

A PCB ASSEMBLY, MAIN

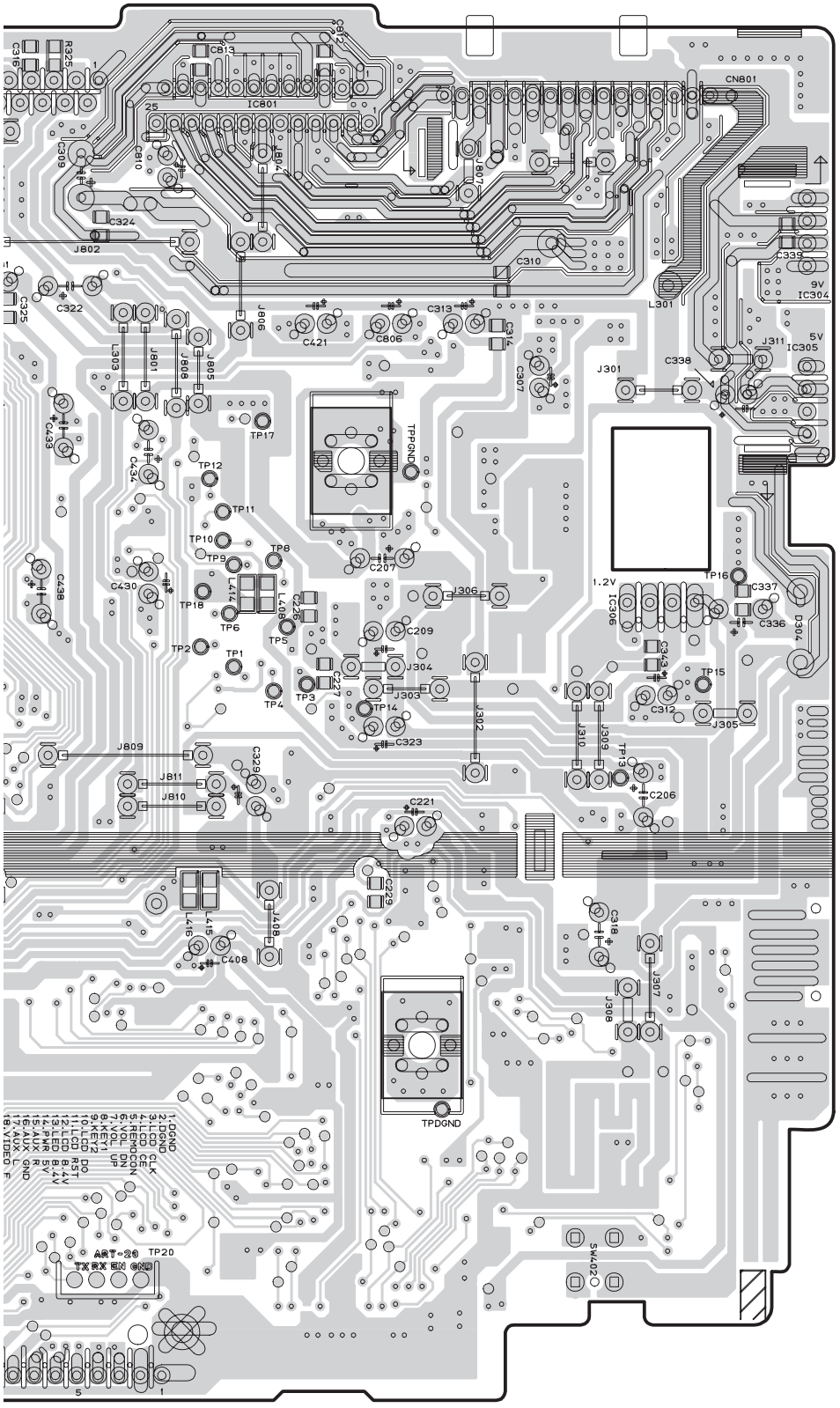


A

B

SIDE B

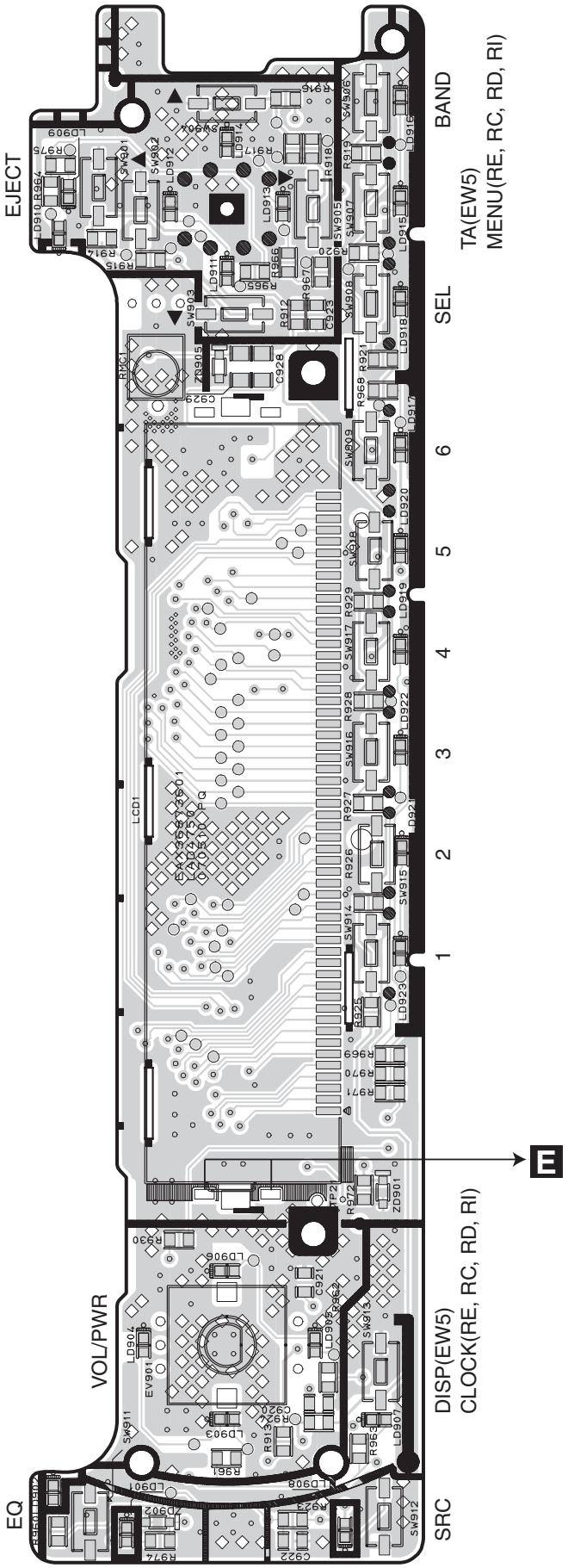
C


CN801
IC801
J804
J807
C324
J802
C310
C339
9V
IC304
L301
C322
C325
J806
C421
C806
C313
C314
C307
J311
5V
IC305
C336
J301
J803
J801
J805
L303
C433
C434
TP17
TP12
TP11
TP10
TP9
TP8
TPFGND
C207
C438
C430
TP18
TP6
TP5
L414
L406
C226
J306
TP16
C337
1.2V
IC306
C336
D304
C209
TP2
TP1
TP4
TP3
C227
J304
J303
TP14
C323
J302
C343
TP15
C312
J305
J310
J309
TP13
C206
J809
J811
J810
C329
C221
C229
L416
L415
J408
C408
C318
J307
J308
TPDGND
SWK02
1.DGND
2.LCD CLK
3.LCD CE
4.LCD DO
5.REMOCON
6.KEY1
7.VOL UP
8.VOL DN
9.KEY2
10.LCD RST
11.LCD B.4V
12.LED 8.4V
13.PWR 5V
14.AUX GND
15.AUX L
16.AUX R
17.VIDEO
18.VIDEO F
ART-20
TP20
TX RX EX GND

11.2 PCB ASSEMBLY, FRONT

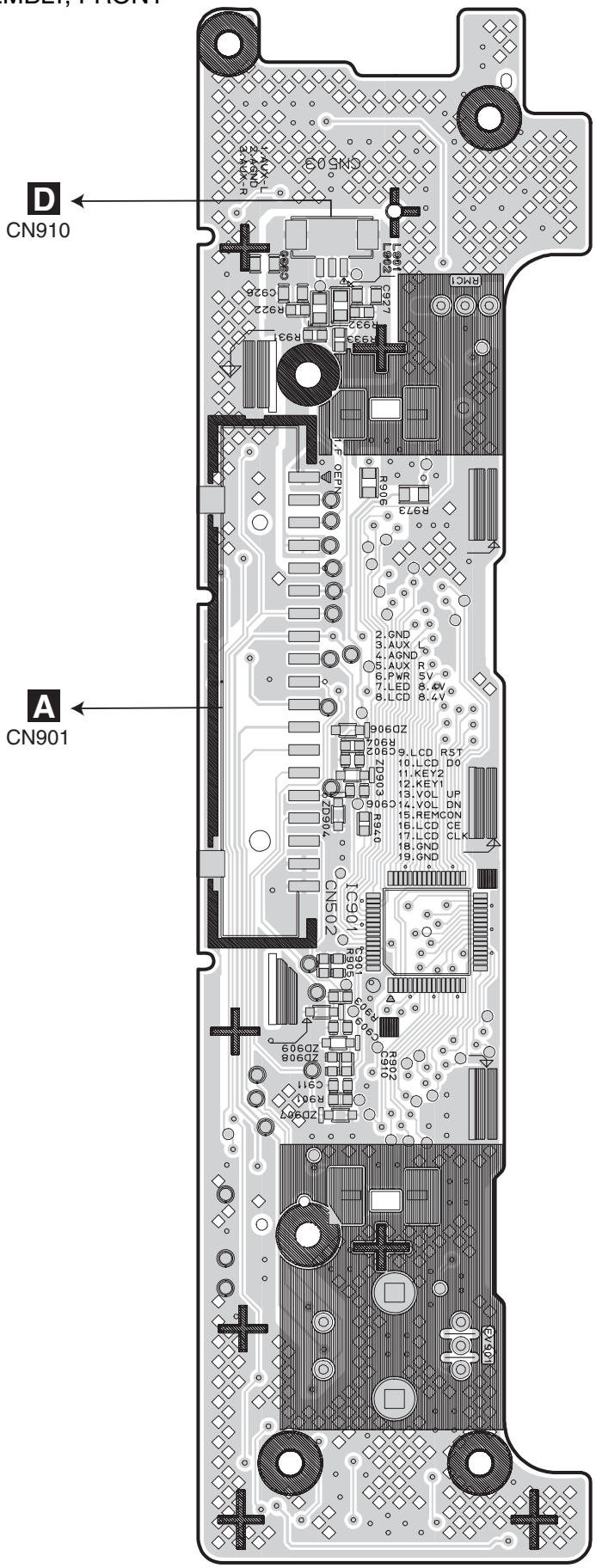
B PCB ASSEMBLY, FRONT

SIDE A



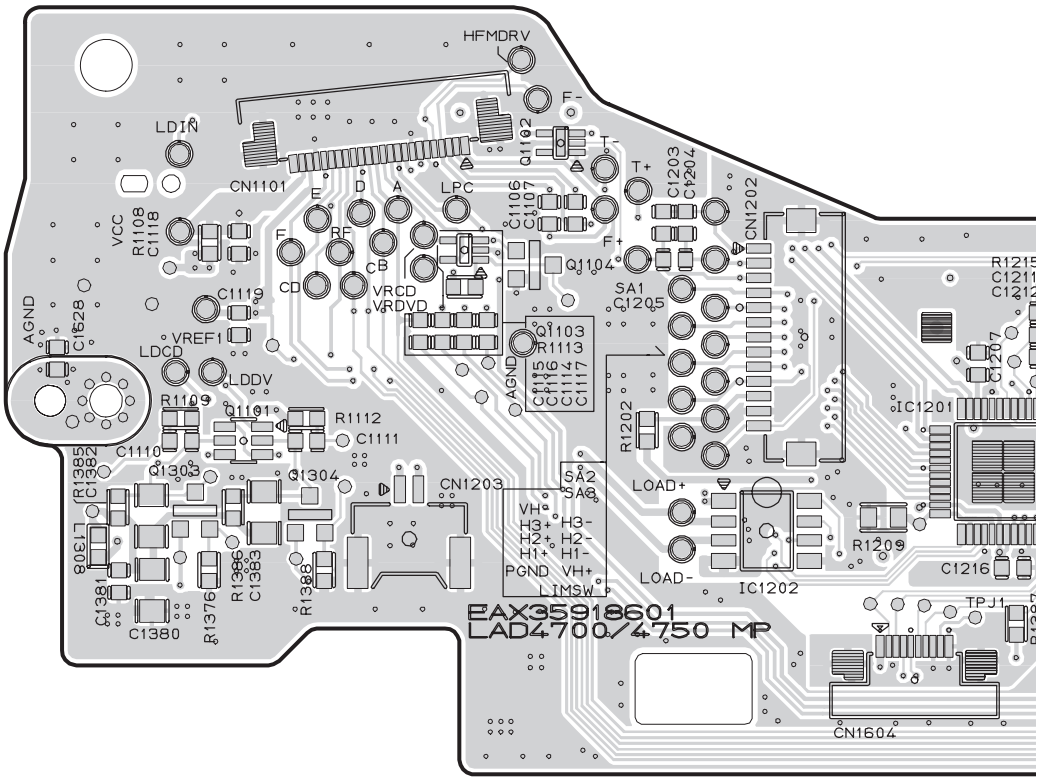
B PCB ASSEMBLY, FRONT

SIDE B



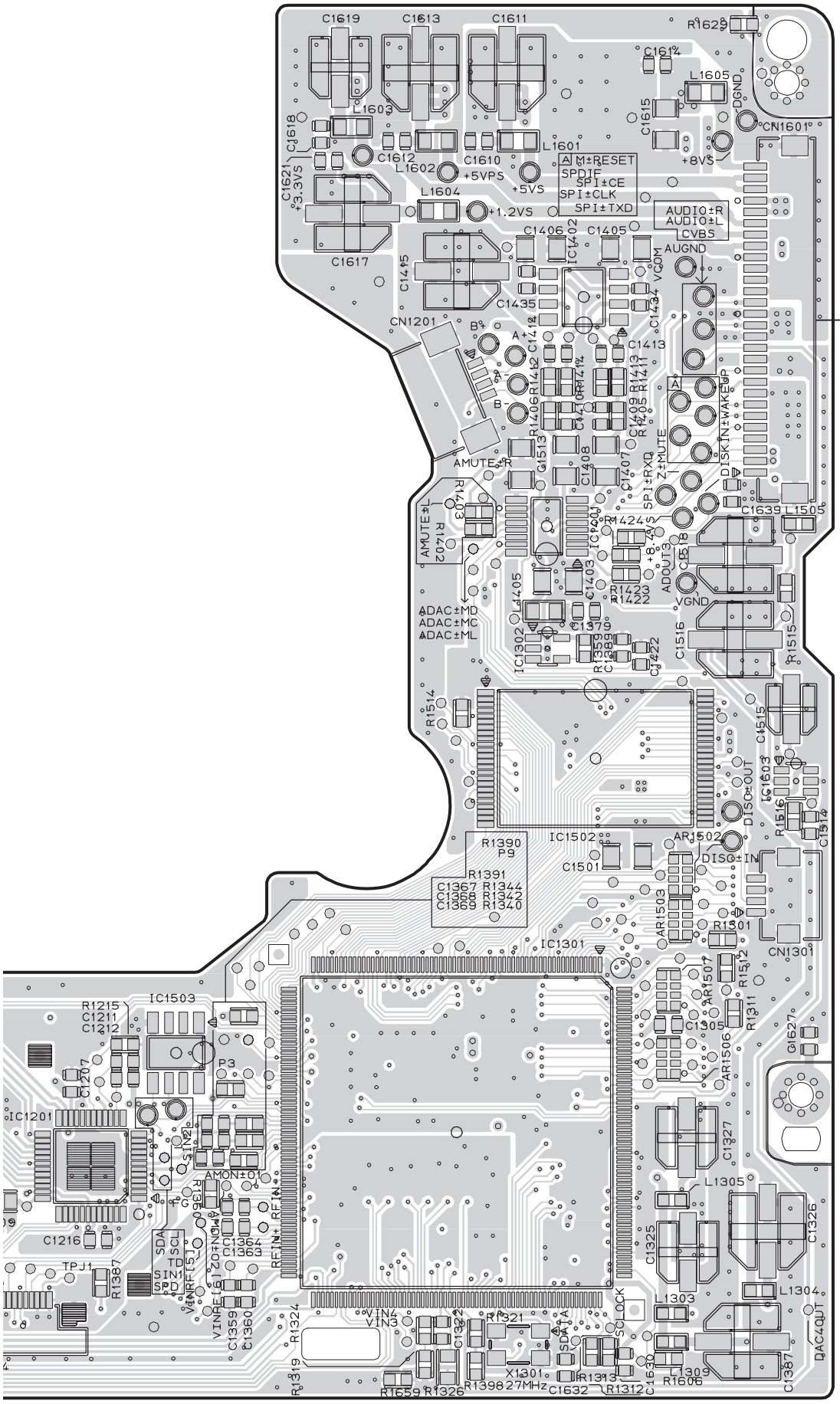
11.3 OPTION CODE ASSENBLY

C OPTION CODE ASSENBLY



C

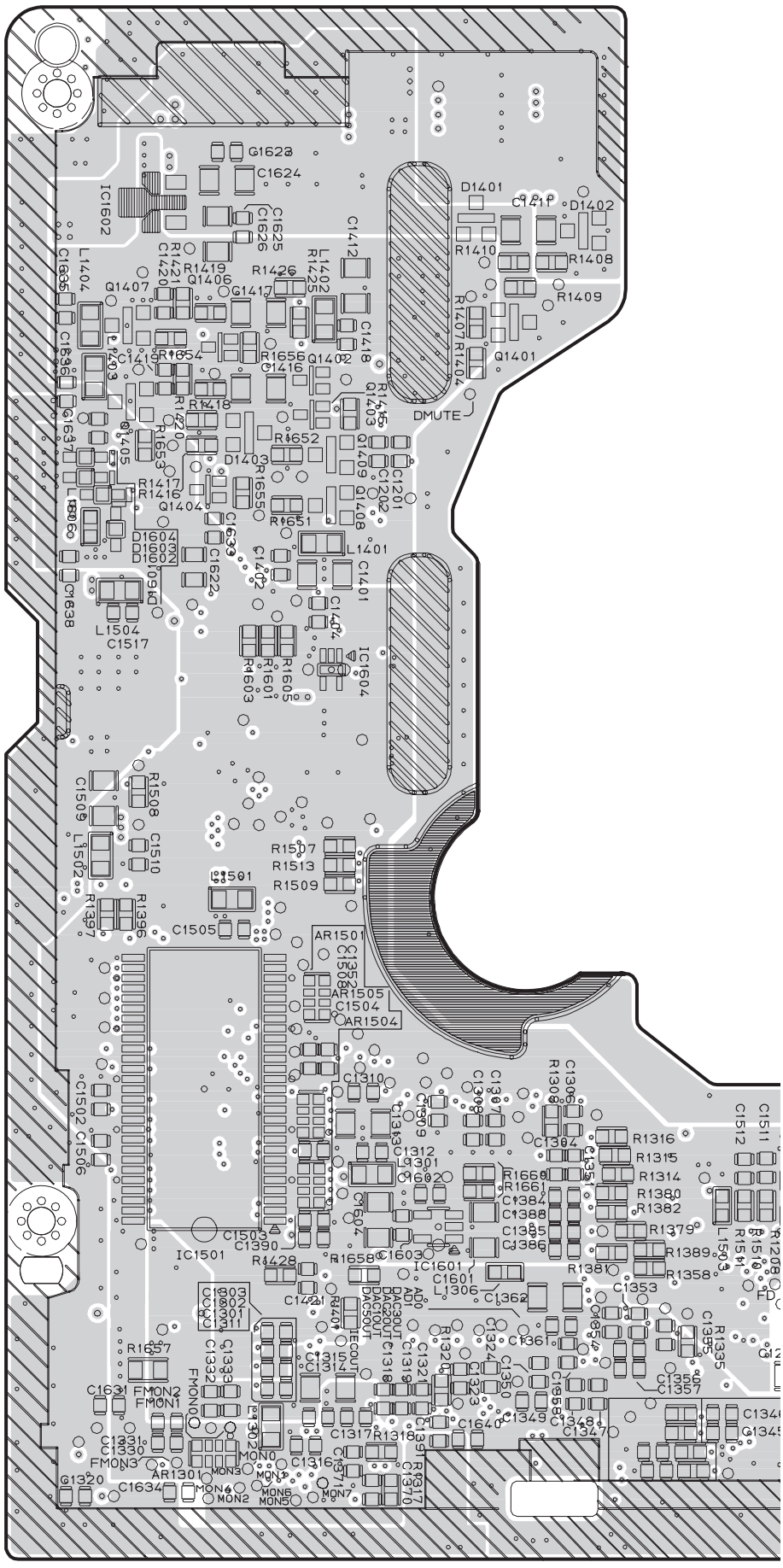
SIDE A



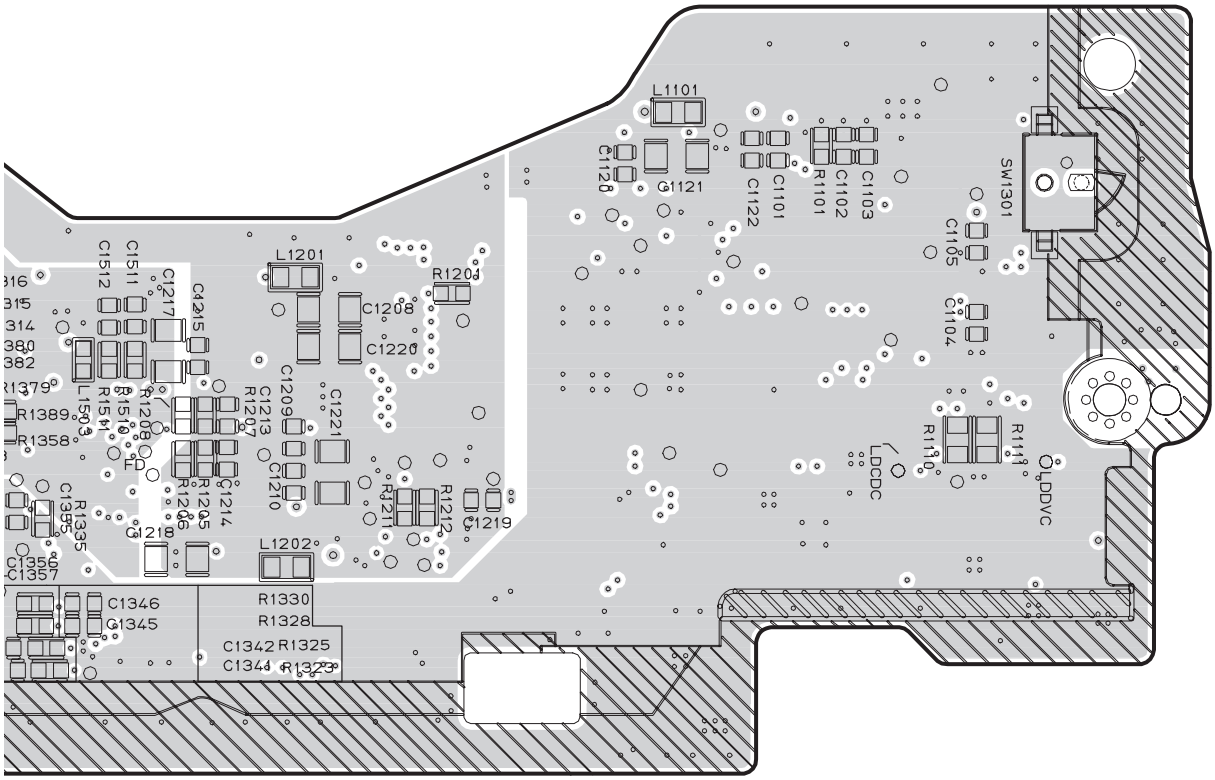
A
CN902

C

C OPTION CODE ASSENBLY


G1623
C1624
IC1602
C1625
C1626
D1401
C1411
D1402
C1412
R1410
R1408
R1409
R1407
R1404
Q1401
DMUTE
R1654
R1656
C1416
R1418
R1652
D1403
R1417
R1416
Q1404
R1651
L1401
C1401
C1402
C1404
L1504
C1517
IC1604
R1601
R1603
R1605
C1509
R1508
C1510
L1502
R1507
R1513
R1509
R1501
R1397
R1396
C1505
AR1501
C1352
C1508
AR1505
C1504
AR1504
C1502
C1506
C1310
C1309
C1307
C1306
C1304
R1316
R1315
R1314
R1380
R1382
R1379
R1389
R1381
R1358
C1353
C1362
C1361
C1355
C1357
C1356
C1349
C1348
C1347
C1345
L1503
C1512
C1511
L1301
C1312
C1602
R1660
R1661
C1384
C1388
C1385
C1386
C1604
C1603
IC1601
C1601
L1306
C1503
C1390
IC1501
R1428
R1658
C1421
R1401
R1657
C1333
C1332
C1631
FMON2
FMON1
FMON0
C1331
C1330
FMON3
C1302
MON0
MON3
MON1
MON6
MON5
MON7
MON4
MON2
AR1301
C1634
G1320
C1316
C1317
R1318
C1318
C1319
C1321
C1322
C1323
C1324
C1350
C1358
C1164
R1317
C1370
C1371
C1359
C1360
C1405
C1406
C1407
C1408
C1409
C1410
C1412
C1413
C1414
C1415
C1417
C1418
C1419
C1420
C1421
C1422
C1423
C1424
C1425
C1426
C1427
C1428
C1429
C1430
C1431
C1432
C1433
C1434
C1435
C1436
C1437
C1438
C1439
C1440
C1441
C1442
C1443
C1444
C1445
C1446
C1447
C1448
C1449
C1450
C1451
C1452
C1453
C1454
C1455
C1456

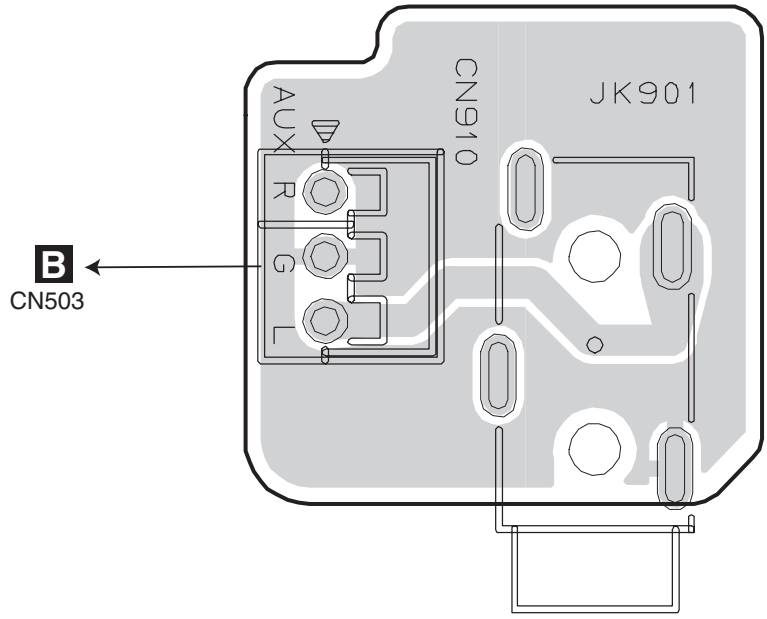
SIDE B


L1101
C1120
C1121
C1122
C1101
R1101
C1102
C1103
SW1301
C1105
C1104
R1110
R1111
LDCDC
LDDVC
L1201
R1204
C1208
C1220
C1512
C1511
C1217
C4215
C1209
C1213
R1207
C1221
C1210
C1214
R1205
R1206
C1218
L1202
R1211
R1212
C1219
R1330
R1328
C1342
R1325
C1344
R1323
C1346
C1345
C1356
C1357
R1335
C1355
R1389
R1358
L1503
R1510
R1511
R1208

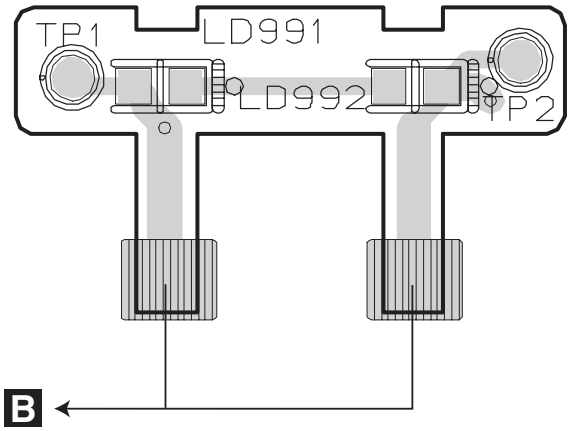
C

11.4 HAND INSERT PCB ASSEMBLY, SUB AND AUTO SMT PCB ASSEMBLY, DISPLAY

D HAND INSERT PCB ASSEMBLY, SUB



E AUTO SMT PCB ASSEMBLY, DISPLAY



D E

12. ELECTRICAL PARTS LIST

NOTE:

- *Parts whose parts numbers are omitted are subject to being not supplied.*
- *The part numbers shown below indicate chip components.*

  Chip Resistor

  RS1/◯S◯◯◯J,RS1/◯◯S◯◯◯J

  Chip Capacitor (except for CQS.....)

  CKS....., CCS....., CSZS.....
- *The ⚠ mark found on some component parts indicates the importance of the safety factor of the part. Therefore, when replacing, be sure to use parts of identical designation.*
- *Meaning of the figures and others in the parentheses in the parts list.*

Example) IC 301 is on the point (face A, 91 of x-axis, and 111 of y-axis) of the corresponding PC board.

IC 301 (A, 91, 111) IC NJM2068V

Circuit Symbol and No. **Part No.**

Unit Number : EBR37079102(EW5)
Unit Number : EBR37079103(RE)
Unit Number : EBR37079104(RC)
Unit Number : EBR37079106(RD)
Unit Number : EBR37079105(RI)
Unit Name : PCB Assembly,Main
Unit Number : EBR33834402(EW5)
Unit Number : EBR33834403(RE,RD,RI)
Unit Number : EBR33834404(RC)
Unit Name : PCB Assembly,Front
Unit Number : EBR39188601(EW5)
Unit Number : EBR39188602(RE)
Unit Number : EBR39188605(RC)
Unit Number : EBR39188603(RD)
Unit Number : EBR39188604(RI)
Unit Name : Option Code Assembly

A

Unit Number : EBR37079102(EW5)
Unit Name : PCB Assembly,Main

MISCELLANEOUS

IC 203	IC	0ISTLTI071A
IC 301	IC	0IPMG78431A
IC 303	IC	0IPMG78430B
IC 304	IC	EAN35237401
IC 305	IC	0IPMGKE053A
IC 306	IC	EAN37193101
IC 307	IC	BA00CC0WFP
IC 401	IC	SAA30931302
IC 402	IC	0IPMGAU002A
IC 403	IC	NJM2279M
IC 501	IC	0ISTLPH065A
IC 601	IC	EAN35154101
IC 701	IC	0ILNRAU017A
IC 702	IC	0ILNRAU017A
IC 801	IC	EAN35152601
Q 301	Transistor	0TR387509AB
Q 302	Transistor	0TR387509AB
Q 303	Transistor	0IPMGON018A
Q 304	Transistor	0TR105009AA
Q 305	Transistor	0TR387509AB
Q 306	Transistor	0TR150409AC
Q 307	Transistor	0IPMGON018A
Q 308	Transistor	2SA1797
Q 309	Transistor	0TR105009AA
Q 316	Transistor	0IPMGON018A
Q 317	Transistor	0TR105009AA
Q 318	Transistor	0TR105009AA
Q 319	Transistor	0TR105009AA
Q 320	Transistor	0TR105009AC
Q 321	Transistor	0TR105009AA
Q 322	Transistor	0TR387509AB
Q 401	Transistor	2SA1797
Q 402	Transistor	0TR105009AA
Q 403	Transistor	0TR105009AA
Q 701	Transistor	0TR231239AA
Q 702	Transistor	0TR231239AA
Q 703	Transistor	0TR231239AA
Q 704	Transistor	0TR231239AA
Q 705	Transistor	0TR105009AC
Q 706	Transistor	0TR105009AC
Q 707	Transistor	0TR231239AA
Q 708	Transistor	0TR231239AA
Q 709	Transistor	0TR231239AA
Q 710	Transistor	0TR231239AA
D 101	Diode	0DD226009AA
D 301	Diode	EAH32120701
D 302	Diode	0DD160009AB
D 304	Diode	0DD540200CD
D 305	Diode	0DD184009AC
D 306	Diode	0DD184009AC
D 307	Diode	EAH32120701

Circuit Symbol and No.		Part No.
D 308	Diode	0DD160009AB
D 309	Diode	0DD160009AB
D 401	Diode	0DD160009AB
D 402	Diode	0DD160009AB
D 406	Diode	0DD160009AB
D 407	Diode	0DD160009AB
D 410	Diode	0DD160009AB
D 411	Diode	0DD160009AB
D 801	Diode	RB160L-40
D 802	Diode	RB160L-40
L 101	Inductor	0LCCE00005T
L 104	Inductor	0LCCE00005N
L 105	Inductor	0LCCE00005N
L 106	Inductor	0LCCE00005N
L 107	Inductor	0LCCE00005N
L 201	Inductor	0LCCE00005N
L 202	Inductor	0LCCE00005N
L 205	Inductor	0LCCE00005N
L 206	Inductor	0LCCE00005N
L 207	Inductor	0LCCE00005N
L 208	Inductor	0LCCE00005N
L 301	Choke Coil 400 µH	EAP35563601
L 302	Inductor	0LCCE00005N
L 303	Inductor	631T603R
L 401	Inductor	0LCCE00005N
L 402	Inductor	0LCCE00005N
L 403	Inductor	0LCCE00005N
L 404	Inductor	0LCCE00005N
L 405	Inductor	0LCCE00005N
L 406	Inductor	0LCCE00005N
L 407	Inductor	0LCCE00005N
L 408	Inductor	0LCCE00005N
L 409	Inductor	0LCCE00005N
L 414	Inductor	0LCCE00005N
L 415	Inductor	0LCCE00005N
L 416	Inductor	0LCCE00005N
L 501	Inductor	0LCCE00005N
L 502	Inductor	LCTAW150J2520
L 503	Inductor	0LCCE00005N
L 601	Inductor	631T603R
L 602	Inductor	631T603R
L 701	Inductor	0LCCE00005N
L 702	Inductor	0LCCE00005N
X 401	Crystal Resonator 19.2 MHz	6212AB2192K
X 402	Crystal Resonator 32.768 kHz	6202R-DA01B
SW401	Push Switch(RESET)	EBF30207101
⚠F203	Fuse 3 A	CEK1286
⚠F702	Fuse 3 A	CEK1286
JK703	Pin Jack	6612J00015D
⚠F301	Fuse 250 mA	CEK1276
ZD412	Diode	EAH38631601
JK501	Jack	6612K00016A
ZD411	Diode	EAH38631601
⚠F303	Fuse 750 mA	CEK1279
⚠F302	Fuse 250 mA	CEK1276
ZD302	Diode	0DZ021629AA
ZD304	Diode	0DZKE00088A
ZD303	Diode	0DZKE00158A
ZD306	Diode	0DZKE00158A
ZD401	Diode	0DZKE00318A
ZD402	Diode	0DZKE00318A
ZD404	Diode	0DZKE00318A
ZD406	Diode	0DZKE00318A
ZD407	Diode	0DZKE00318A
ZD408	Diode	0DZKE00318A
ZD410	Diode	0DZKE00318A
ZD301	Diode	0DZ028209AA
ZD405	Diode	0DZKE00318A
ZD409	Diode	0DZKE00318A
ZD403	Diode	0DZKE00318A
ANT101	Antenna Jack	6620S-G001A
BU302	Buzzer	EAB32746101
W 1	Wire,Jump	EAD39173201
CN902	Connector	EAG00587202
CN402	Connector	561-241B
CN403	Connector	EAG30944102
CN404	Connector	6630V90135A
CN801	Connector	EAG35178802
CN901	Connector	EAG35850501
TU101	FM/AM Tuner Unit	EBL36199803

RESISTORS

R 101	RS1/10SR100J
R 102	RS1/10SR102J
R 103	RS1/10SR102J
R 104	RS1/10SR102J
R 105	RS1/10SR102J
R 106	RS1/10SR472J
R 108	RS1/10SR471J
R 109	RS1/10SR102J
R 111	RS1/10SR222J
R 112	RS1/10SR222J
R 113	RS1/10SR473J
R 114	RS1/10SR473J
R 115	RS1/10SR102J
R 205	RS1/10SR103J
R 250	RS1/10SR221J
R 251	RS1/10SR102J
R 252	RS1/10SR221J
R 253	RS1/10SR102J
R 301	RS1/10SR224J
R 302	RS1/10SR224J
R 303	RS1/10SR103J
R 304	RS1/10SR103J
R 305	RS1/10SR473J
R 306	RS1/10SR473J
R 311	RS1/10SR272J
R 312	RS1/10SR103J
R 313	RS1/10SR123J
R 317	RS1/10SR103J
R 318	RS1/10SR332J
R 319	RS1/10SR222J
R 320	RS1/10SR332J
R 321	RS1/10SR332J
R 322	RS1/8SQ152J
R 324	RS1/10SR332J
R 325	RS1/10SR472J
R 326	RS1/10SR103J
R 327	RS1/10SR393J
R 328	RS1/10SR473J
R 329	RS1/10SR472J
R 330	RS1/10SR472J

Circuit Symbol and No.	Part No.
R 331	RS1/10SR102J
R 332	RS1/10SR101J
R 333	RS1/8SQ103J
R 334	RS1/8SQ332J
R 335	RS1/8SQ103J
R 336	RS1/8SQ332J
R 337	RS1/10SR101J
R 338	RS1/8SQ391J
R 339	RS1/10SR220J
R 340	RS1/10SR102J
R 344	RS1/10SR473J
R 345	RS1/10SR473J
R 401	RS1/10SR472J
R 402	RS1/10SR102J
R 403	RS1/10SR221J
R 404	RS1/10SR103J
R 405	RS1/10SR103J
R 406	RS1/10SR561J
R 407	RS1/10SR221J
R 408	RS1/10SR221J
R 409	RS1/10SR221J
R 410	RS1/10SR100J
R 411	RS1/10SR101J
R 412	RS1/10SR105J
R 413	RS1/10SR561J
R 414	RS1/10SR221J
R 415	RS1/10SR221J
R 416	RS1/10SR105J
R 417	RS1/10SR473J
R 418	RS1/10SR221J
R 419	RS1/10SR221J
R 420	RS1/10SR472J
R 421	RS1/10SR104J
R 422	RS1/10SR104J
R 423	RS1/10SR104J
R 424	RS1/10SR472J
R 425	RS1/10SR221J
R 426	RS1/10SR221J
R 427	RS1/10SR102J
R 428	RS1/10SR102J
R 429	RS1/10SR103J
R 430	RS1/10SR103J
R 431	RS1/10SR473J
R 432	RS1/10SR473J
R 433	RS1/10SR105J
R 434	RS1/10SR105J
R 435	RS1/10SR103J
R 436	RS1/10SR103J
R 437	RS1/10SR221J
R 438	RS1/10SR102J
R 439	RS1/10SR472J
R 440	RS1/10SR472J
R 441	RS1/10SR102J
R 442	RS1/10SR102J
R 444	RS1/10SR222J
R 445	RS1/10SR221J
R 446	RS1/10SR471J
R 447	RS1/10SR221J
R 448	RS1/10SR222J
R 449	RS1/10SR222J

Circuit Symbol and No.	Part No.
R 450	RS1/10SR104J
R 451	RS1/10SR334J
R 452	RS1/10SR475J
R 453	RS1/10SR221J
R 454	RS1/10SR221J
R 455	RS1/10SR472J
R 456	RS1/10SR102J
R 458	RS1/10SR103J
R 459	RS1/10SR103J
R 460	RS1/10SR75R0F
R 462	RS1/10SR75R0F
R 463	RS1/10SR473J
R 464	RS1/10SR391J
R 465	RS1/10SR391J
R 466	RS1/10SR102J
R 467	RS1/10SR102J
R 470	RS1/10SR124J
R 472	RS1/10SR102J
R 477	RS1/10SR102J
R 478	RS1/10SR102J
R 481	RS1/10SR473J
R 484	RS1/10SR122J
R 501	RS1/10SR331J
R 604	RS1/10SR222J
R 605	RS1/10SR222J
R 606	RS1/10SR473J
R 607	RS1/10SR473J
R 701	RS1/10SR104J
R 702	RS1/10SR123J
R 703	RS1/10SR153J
R 704	RS1/10SR104J
R 705	RS1/10SR123J
R 706	RS1/10SR153J
R 707	RS1/10SR822J
R 708	RS1/10SR821J
R 709	RS1/10SR103J
R 710	RS1/10SR123J
R 711	RS1/10SR153J
R 712	RS1/10SR104J
R 713	RS1/10SR104J
R 714	RS1/10SR123J
R 715	RS1/10SR153J
R 716	RS1/10SR822J
R 717	RS1/10SR821J
R 718	RS1/10SR103J
R 719	RS1/10SR101J
R 720	RS1/10SR104J
R 721	RS1/10SR104J
R 722	RS1/10SR104J
R 723	RS1/10SR104J
R 724	RS1/10SR101J
R 725	RS1/10SR101J
R 726	RS1/10SR101J
R 727	RS1/10SR473J
R 729	RS1/10SR224J
R 741	RS1/10SR0R0J
R 742	RS1/10SR0R0J
R 801	RS1/10SR102J
R 802	RS1/10SR122J
R 803	RS1/10SR122J
R 804	RS1/10SR122J

Circuit Symbol and No.	Part No.
R 805	RS1/10SR122J
R 806	RS1/10SR103J
R 807	RS1/10SR103J
R 808	RS1/10SR103J
R 809	RS1/10SR103J
R 810	RS1/10SR473J

CAPACITORS

Circuit Symbol and No.	Part No.
C 101	CCSRCH120J50
C 102	CKSRYB104K16
C 103	CKSRYB102K50
C 104	0CE1074F629
C 105	CKSRYB102K50
C 106	CKSRYB104K16
C 107	CCSRCH101J50
C 108	CKSRYB104K16
C 109	0CE1074F629
C 110	CCSRCH101J50
C 114	CKSRYB104K16
C 201	CKSRYB104K16
C 202	CKSRYB104K16
C 203	CKSRYB104K16
C 204	CKSRYB104K16
C 205	CKSRYB104K16
C 206	EAE37913801
C 207	EAE37913801
C 208	CKSRYB104K16
C 209	0CE1074F629
C 221	0CE1074F629
C 226	CCSRCH330J50
C 227	CCSRCH330J50
C 228	CKSRYB104K16
C 229	CKSRYB104K16
C 302	0CH44R7K072
C 303	CKSRYB104K16
C 304	CKSRYB104K16
C 308	CKSRYB104K16
C 309	0CE338EF650
C 310	CKSRYB104K16
C 311	CKSRYB104K16
C 312	0CE1074F629
C 313	0CE1074F629
C 314	CKSRYB104K16
C 315	CKSRYB104K16
C 316	0CH1224K512
C 317	CKSRYF105Z16
C 318	EAE37913801
C 319	0CE1074F629
C 320	CKSRYB104K16
C 321	CKSRYB104K16
C 322	EAE37913801
C 323	0CE1074F629
C 324	CKSRYB104K16
C 325	CKSRYF105Z16
C 326	CKSRYB104K16
C 327	CEAL100M35
C 328	CKSRYB104K16
C 329	CEAL470M16
C 331	0CE1074F629
C 336	EAE37913801
C 337	CKSRYB104K16
C 338	EAE37950401
C 339	CKSRYB104K16
C 343	CKSRYB104K16
C 401	CCSRCH150J50
C 402	CCSRCH150J50
C 403	CCSRCH150J50
C 404	CCSRCH330J50
C 405	CEAL100M16
C 406	CKSRYB104K16
C 407	624-034L
C 408	0CE1074F629
C 409	CKSRYB104K16
C 410	CCSRCH101J50
C 411	0CH1103K562
C 412	0CH1103K562
C 413	0CH1223K562
C 414	0CH1223K562
C 415	CKSRYB104K16
C 416	CKSRYB104K16
C 417	CCSRCH330J50
C 418	CCSRCH330J50
C 419	CCSRCH330J50
C 420	CCSRCH330J50
C 421	0CE1074F629
C 422	CKSRYB104K16
C 423	CKSRYB104K16
C 424	CKSRYB104K16
C 429	CKSYF226Z10
C 430	CEAL470M16
C 431	CCSRCH470J50
C 432	CCSRCH470J50
C 433	EAE37913801
C 434	EAE37913801
C 436	CCSRCH470J50
C 437	CCSRCH470J50
C 439	CKSRYB104K16
C 440	CCSRCH560J50
C 441	CKSYF226Z10
C 501	0CE1074F629
C 502	CKSRYB104K16
C 503	CCSRCH330J50
C 601	CEAL100M16
C 602	CEAL4R7M16
C 603	CEAL4R7M16
C 604	CEAL4R7M16
C 606	CEAL4R7M16
C 607	CEAL4R7M16
C 608	CEAL4R7M16
C 609	CEAL4R7M16
C 610	CKSRYF105Z16
C 611	CKSRYF105Z16
C 612	CEAL4R7M16
C 613	CEAL4R7M16
C 614	0CH1152K562
C 615	0CH1152K562
C 616	CEAL4R7M16
C 632	0CE1074F629
C 633	CKSRYB104K16
C 634	CKSRYB104K16
C 636	CEAL220M16
C 637	CCSRCH150J50

Circuit Symbol and No.	Part No.
C 638	CCSRCH150J50
C 701	CEAL4R7M16
C 702	CCSRCH151J50
C 703	CCSRCH560J50
C 704	CEAL4R7M16
C 705	CCSRCH560J50
C 706	CKSRYB104K16
C 707	0CE1074F629
C 708	CCSRCH151J50
C 709	0CE1074F629
C 710	CKSRYB104K16
C 711	CEAL4R7M16
C 712	CCSRCH151J50
C 713	CCSRCH560J50
C 714	CEAL4R7M16
C 715	CCSRCH560J50
C 716	CCSRCH151J50
C 717	CKSRYB104K16
C 718	0CE1074F629
C 719	CKSRYB104K16
C 720	0CE1074F629
C 721	CEAL4R7M16
C 722	CCSRCH101J50
C 723	CCSRCH101J50
C 724	CCSRCH101J50
C 725	CCSRCH101J50
C 726	CEAL4R7M16
C 727	CEAL4R7M16
C 728	CEAL4R7M16
C 730	CKSRYB104K16
C 801	0CH1182K562
C 802	0CH1182K562
C 803	0CH1182K562
C 804	0CH1182K562
C 805	CEALR10M50
C 806	CEAL470M16
C 807	0CH1474K562
C 808	0CH1474K562
C 809	0CH1474K562
C 810	EAE38700901
C 811	0CH1474K562
C 812	0CH1224K512
C 813	0CH1224K512
C 814	0CH1474K562
C 815	0CH1474K562
C 816	0CH1474K562
C 817	0CH1474K562

A

Unit Number : EBR37079103(RE)
Unit Name : PCB Assembly,Main

MISCELLANEOUS

IC 203	IC	0ISTLTI071A
IC 301	IC	0IPMG78431A
IC 303	IC	0IPMG78430B
IC 304	IC	EAN35237401
IC 305	IC	0IPMGKE053A
IC 306	IC	EAN37193101
IC 307	IC	BA00CC0WFP
IC 401	IC	SAA30931302
IC 402	IC	0IPMGAU002A
IC 403	IC	NJM2279M
IC 501	IC	0ISTLPH065A
IC 601	IC	EAN35154101
IC 701	IC	0ILNRAU017A
IC 702	IC	0ILNRAU017A
IC 801	IC	EAN35152601
Q 301	Transistor	0TR387509AB
Q 302	Transistor	0TR387509AB
Q 303	Transistor	0IPMGON018A
Q 304	Transistor	0TR105009AA
Q 305	Transistor	0TR387509AB
Q 306	Transistor	0TR150409AC
Q 307	Transistor	0IPMGON018A
Q 308	Transistor	2SA1797
Q 309	Transistor	0TR105009AA
Q 316	Transistor	0IPMGON018A
Q 317	Transistor	0TR105009AA
Q 318	Transistor	0TR105009AA
Q 319	Transistor	0TR105009AA
Q 320	Transistor	0TR105009AC
Q 321	Transistor	0TR105009AA
Q 322	Transistor	0TR387509AB
Q 401	Transistor	2SA1797
Q 402	Transistor	0TR105009AA
Q 403	Transistor	0TR105009AA
Q 701	Transistor	0TR231239AA
Q 702	Transistor	0TR231239AA
Q 703	Transistor	0TR231239AA
Q 704	Transistor	0TR231239AA
Q 705	Transistor	0TR105009AC
Q 706	Transistor	0TR105009AC
Q 707	Transistor	0TR231239AA
Q 708	Transistor	0TR231239AA
Q 709	Transistor	0TR231239AA
Q 710	Transistor	0TR231239AA
D 101	Diode	0DD226009AA
D 301	Diode	EAH32120701
D 302	Diode	0DD160009AB
D 304	Diode	0DD540200CD
D 305	Diode	0DD184009AC
D 306	Diode	0DD184009AC
D 307	Diode	EAH32120701
D 308	Diode	0DD160009AB
D 309	Diode	0DD160009AB
D 407	Diode	0DD160009AB
D 410	Diode	0DD160009AB
D 411	Diode	0DD160009AB
D 801	Diode	RB160L-40
D 802	Diode	RB160L-40
L 101	Inductor	0LCCE00005T
L 104	Inductor	0LCCE00005N
L 105	Inductor	0LCCE00005N
L 106	Inductor	0LCCE00005N
L 107	Inductor	0LCCE00005N
L 201	Inductor	0LCCE00005N
L 202	Inductor	0LCCE00005N
L 205	Inductor	0LCCE00005N

Circuit Symbol and No.		Part No.
L 206	Inductor	0LCCE00005N
L 207	Inductor	0LCCE00005N
L 208	Inductor	0LCCE00005N
L 301	Choke Coil 400 µH	EAP35563601
L 302	Inductor	0LCCE00005N
L 303	Inductor	631T603R
L 401	Inductor	0LCCE00005N
L 402	Inductor	0LCCE00005N
L 403	Inductor	0LCCE00005N
L 404	Inductor	0LCCE00005N
L 405	Inductor	0LCCE00005N
L 406	Inductor	0LCCE00005N
L 407	Inductor	0LCCE00005N
L 408	Inductor	0LCCE00005N
L 409	Inductor	0LCCE00005N
L 414	Inductor	0LCCE00005N
L 415	Inductor	0LCCE00005N
L 416	Inductor	0LCCE00005N
L 501	Inductor	0LCCE00005N
L 502	Inductor	LCTAW150J2520
L 503	Inductor	0LCCE00005N
L 601	Inductor	631T603R
L 602	Inductor	631T603R
L 701	Inductor	0LCCE00005N
L 702	Inductor	0LCCE00005N
X 401	Crystal Resonator 19.2MHz	6212AB2192K
X 402	Crystal Resonator 32.768kHz	6202R-DA01B
SW401	Push Switch(RESET)	EBF30207101
⚠F303	Fuse 750 mA	CEK1279
⚠F302	Fuse 250 mA	CEK1276
ZD301	Diode	0DZ028209AA
⚠F203	Fuse 3 A	CEK1286
⚠F702	Fuse 3 A	CEK1286
JK501	Jack	6612K00016A
JK703	Pin Jack	6612J00015D
⚠F301	Fuse 250 mA	CEK1276
ZD412	Diode	EAH38631601
ZD411	Diode	EAH38631601
ZD401	Diode	0DZKE00318A
ZD404	Diode	0DZKE00318A
ZD302	Diode	0DZ021629AA
ZD410	Diode	0DZKE00318A
ZD409	Diode	0DZKE00318A
ZD408	Diode	0DZKE00318A
ZD407	Diode	0DZKE00318A
ZD406	Diode	0DZKE00318A
ZD403	Diode	0DZKE00318A
ZD306	Diode	0DZKE00158A
ZD303	Diode	0DZKE00158A
ZD304	Diode	0DZKE00088A
ZD405	Diode	0DZKE00318A
ZD402	Diode	0DZKE00318A
ANT101	Antenna Jack	6620S-G001A
BU302	Buzzer	EAB32746101
W 1	Wire,Jump	EAD39173201
CN902	Connector	EAG00587202
CN402	Connector	561-241B
CN403	Connector	EAG30944102
CN404	Connector	6630V90135A
CN801	Connector	EAG35178802
CN901	Connector	EAG35850501

Circuit Symbol and No.		Part No.
TU 101	FM/AM Tuner Unit	EBL36199603

RESISTORS

R 101	RS1/10SR100J
R 102	RS1/10SR102J
R 103	RS1/10SR102J
R 104	RS1/10SR102J
R 105	RS1/10SR102J
R 111	RS1/10SR222J
R 112	RS1/10SR222J
R 113	RS1/10SR473J
R 114	RS1/10SR473J
R 115	RS1/10SR102J
R 205	RS1/10SR103J
R 250	RS1/10SR221J
R 251	RS1/10SR102J
R 252	RS1/10SR221J
R 253	RS1/10SR102J
R 301	RS1/10SR224J
R 302	RS1/10SR224J
R 303	RS1/10SR103J
R 304	RS1/10SR103J
R 305	RS1/10SR473J
R 306	RS1/10SR473J
R 311	RS1/10SR272J
R 312	RS1/10SR103J
R 313	RS1/10SR123J
R 317	RS1/10SR103J
R 318	RS1/10SR332J
R 319	RS1/10SR222J
R 320	RS1/10SR332J
R 321	RS1/10SR332J
R 322	RS1/8SQ152J
R 324	RS1/10SR332J
R 325	RS1/10SR472J
R 326	RS1/10SR103J
R 327	RS1/10SR393J
R 328	RS1/10SR473J
R 329	RS1/10SR472J
R 330	RS1/10SR472J
R 331	RS1/10SR102J
R 332	RS1/10SR101J
R 333	RS1/8SQ103J
R 334	RS1/8SQ332J
R 335	RS1/8SQ103J
R 336	RS1/8SQ332J
R 337	RS1/10SR101J
R 338	RS1/8SQ391J
R 339	RS1/10SR220J
R 340	RS1/10SR102J
R 344	RS1/10SR473J
R 345	RS1/10SR473J
R 401	RS1/10SR472J
R 402	RS1/10SR102J
R 403	RS1/10SR221J
R 404	RS1/10SR103J
R 405	RS1/10SR103J
R 406	RS1/10SR561J
R 407	RS1/10SR221J
R 408	RS1/10SR221J
R 409	RS1/10SR221J

Circuit Symbol and No.	Part No.
R 410	RS1/10SR100J
R 411	RS1/10SR101J
R 412	RS1/10SR105J
R 413	RS1/10SR561J
R 414	RS1/10SR221J
R 415	RS1/10SR221J
R 416	RS1/10SR105J
R 417	RS1/10SR473J
R 418	RS1/10SR221J
R 419	RS1/10SR221J
R 420	RS1/10SR472J
R 421	RS1/10SR104J
R 422	RS1/10SR104J
R 423	RS1/10SR104J
R 424	RS1/10SR472J
R 425	RS1/10SR221J
R 426	RS1/10SR221J
R 427	RS1/10SR102J
R 428	RS1/10SR102J
R 429	RS1/10SR103J
R 430	RS1/10SR103J
R 431	RS1/10SR473J
R 432	RS1/10SR473J
R 433	RS1/10SR105J
R 434	RS1/10SR105J
R 435	RS1/10SR103J
R 436	RS1/10SR103J
R 437	RS1/10SR221J
R 438	RS1/10SR102J
R 439	RS1/10SR472J
R 440	RS1/10SR472J
R 441	RS1/10SR102J
R 442	RS1/10SR102J
R 444	RS1/10SR222J
R 445	RS1/10SR221J
R 446	RS1/10SR471J
R 447	RS1/10SR221J
R 448	RS1/10SR222J
R 449	RS1/10SR222J
R 450	RS1/10SR104J
R 451	RS1/10SR334J
R 452	RS1/10SR475J
R 453	RS1/10SR221J
R 454	RS1/10SR221J
R 455	RS1/10SR472J
R 456	RS1/10SR102J
R 458	RS1/10SR103J
R 459	RS1/10SR103J
R 460	RS1/10SR75R0F
R 462	RS1/10SR75R0F
R 463	RS1/10SR473J
R 464	RS1/10SR391J
R 465	RS1/10SR391J
R 466	RS1/10SR102J
R 467	RS1/10SR102J
R 470	RS1/10SR124J
R 472	RS1/10SR102J
R 477	RS1/10SR102J
R 478	RS1/10SR102J
R 481	RS1/10SR473J
R 484	RS1/10SR122J

Circuit Symbol and No.	Part No.
R 501	RS1/10SR331J
R 604	RS1/10SR222J
R 605	RS1/10SR222J
R 606	RS1/10SR473J
R 607	RS1/10SR473J
R 701	RS1/10SR104J
R 702	RS1/10SR123J
R 703	RS1/10SR153J
R 704	RS1/10SR104J
R 705	RS1/10SR123J
R 706	RS1/10SR153J
R 707	RS1/10SR822J
R 708	RS1/10SR821J
R 709	RS1/10SR103J
R 710	RS1/10SR123J
R 711	RS1/10SR153J
R 712	RS1/10SR104J
R 713	RS1/10SR104J
R 714	RS1/10SR123J
R 715	RS1/10SR153J
R 716	RS1/10SR822J
R 717	RS1/10SR821J
R 718	RS1/10SR103J
R 719	RS1/10SR101J
R 720	RS1/10SR104J
R 721	RS1/10SR104J
R 722	RS1/10SR104J
R 723	RS1/10SR104J
R 724	RS1/10SR101J
R 725	RS1/10SR101J
R 726	RS1/10SR101J
R 727	RS1/10SR473J
R 729	RS1/10SR224J
R 741	RS1/10SR0R0J
R 742	RS1/10SR0R0J
R 801	RS1/10SR102J
R 802	RS1/10SR122J
R 803	RS1/10SR122J
R 804	RS1/10SR122J
R 805	RS1/10SR122J
R 806	RS1/10SR103J
R 807	RS1/10SR103J
R 808	RS1/10SR103J
R 809	RS1/10SR103J
R 810	RS1/10SR473J

CAPACITORS

C 101	CCSRCH120J50
C 102	CKSRYB104K16
C 103	CKSRYB102K50
C 104	0CE1074F629
C 105	CKSRYB102K50
C 114	CKSRYB104K16
C 201	CKSRYB104K16
C 202	CKSRYB104K16
C 203	CKSRYB104K16
C 204	CKSRYB104K16
C 205	CKSRYB104K16
C 206	EAE37913801
C 207	EAE37913801
C 208	CKSRYB104K16

Circuit Symbol and No.	Part No.
C 209	0CE1074F629
C 221	0CE1074F629
C 226	CCSRCH330J50
C 227	CCSRCH330J50
C 228	CKSRYB104K16
C 229	CKSRYB104K16
C 302	0CH44R7K072
C 303	CKSRYB104K16
C 304	CKSRYB104K16
C 308	CKSRYB104K16
C 309	0CE338EF650
C 310	CKSRYB104K16
C 311	CKSRYB104K16
C 312	0CE1074F629
C 313	0CE1074F629
C 314	CKSRYB104K16
C 315	CKSRYB104K16
C 316	0CH1224K512
C 317	CKSRYF105Z16
C 318	EAE37913801
C 319	0CE1074F629
C 320	CKSRYB104K16
C 321	CKSRYB104K16
C 322	EAE37913801
C 323	0CE1074F629
C 324	CKSRYB104K16
C 325	CKSRYF105Z16
C 326	CKSRYB104K16
C 327	CEAL100M35
C 328	CKSRYB104K16
C 329	CEAL470M16
C 331	0CE1074F629
C 336	EAE37913801
C 337	CKSRYB104K16
C 338	EAE37950401
C 339	CKSRYB104K16
C 343	CKSRYB104K16
C 401	CCSRCH150J50
C 402	CCSRCH150J50
C 403	CCSRCH150J50
C 404	CCSRCH330J50
C 405	CEAL100M16
C 406	CKSRYB104K16
C 407	624-034L
C 408	0CE1074F629
C 409	CKSRYB104K16
C 410	CCSRCH101J50
C 411	0CH1103K562
C 412	0CH1103K562
C 413	0CH1223K562
C 414	0CH1223K562
C 415	CKSRYB104K16
C 416	CKSRYB104K16
C 417	CCSRCH330J50
C 418	CCSRCH330J50
C 419	CCSRCH330J50
C 420	CCSRCH330J50
C 421	0CE1074F629
C 422	CKSRYB104K16
C 423	CKSRYB104K16
C 424	CKSRYB104K16

Circuit Symbol and No.	Part No.
C 429	CKSYF226Z10
C 430	CEAL470M16
C 431	CCSRCH470J50
C 432	CCSRCH470J50
C 433	EAE37913801
C 434	EAE37913801
C 436	CCSRCH470J50
C 437	CCSRCH470J50
C 439	CKSRYB104K16
C 440	CCSRCH560J50
C 441	CKSYF226Z10
C 501	0CE1074F629
C 502	CKSRYB104K16
C 503	CCSRCH330J50
C 601	CEAL100M16
C 602	CEAL4R7M16
C 603	CEAL4R7M16
C 604	CEAL4R7M16
C 606	CEAL4R7M16
C 607	CEAL4R7M16
C 608	CEAL4R7M16
C 609	CEAL4R7M16
C 610	CKSRYF105Z16
C 611	CKSRYF105Z16
C 612	CEAL4R7M16
C 613	CEAL4R7M16
C 614	0CH1152K562
C 615	0CH1152K562
C 616	CEAL4R7M16
C 632	0CE1074F629
C 633	CKSRYB104K16
C 634	CKSRYB104K16
C 636	CEAL220M16
C 637	CCSRCH150J50
C 638	CCSRCH150J50
C 701	CEAL4R7M16
C 702	CCSRCH151J50
C 703	CCSRCH560J50
C 704	CEAL4R7M16
C 705	CCSRCH560J50
C 706	CKSRYB104K16
C 707	0CE1074F629
C 708	CCSRCH151J50
C 709	0CE1074F629
C 710	CKSRYB104K16
C 711	CEAL4R7M16
C 712	CCSRCH151J50
C 713	CCSRCH560J50
C 714	CEAL4R7M16
C 715	CCSRCH560J50
C 716	CCSRCH151J50
C 717	CKSRYB104K16
C 718	0CE1074F629
C 719	CKSRYB104K16
C 720	0CE1074F629
C 721	CEAL4R7M16
C 722	CCSRCH101J50
C 723	CCSRCH101J50
C 724	CCSRCH101J50
C 725	CCSRCH101J50

Circuit Symbol and No.		Part No.
C 726		CEAL4R7M16
C 727		CEAL4R7M16
C 728		CEAL4R7M16
C 730		CKSRYB104K16
C 801		0CH1182K562
C 802		0CH1182K562
C 803		0CH1182K562
C 804		0CH1182K562
C 805		CEALR10M50
C 806		CEAL470M16
C 807		0CH1474K562
C 808		0CH1474K562
C 809		0CH1474K562
C 810		EAE38700901
C 811		0CH1474K562
C 812		0CH1224K512
C 813		0CH1224K512
C 814		0CH1474K562
C 815		0CH1474K562
C 816		0CH1474K562
C 817		0CH1474K562

A

Unit Number : EBR37079104(RC)
Unit Name : PCB Assembly,Main

MISCELLANEOUS

IC 203	IC	0ISTLTI071A
IC 301	IC	0IPMG78431A
IC 303	IC	0IPMG78430B
IC 304	IC	EAN35237401
IC 305	IC	0IPMGKE053A
IC 306	IC	EAN37193101
IC 307	Regulator	BA00CC0WFP
IC 401	IC	SAA30931302
IC 402	IC	0IPMGAU002A
IC 403		NJM2279M
IC 501	IC	0ISTLPH065A
IC 601	IC	EAN35154101
IC 701	IC	0ILNRAU017A
IC 702	IC	0ILNRAU017A
IC 801	IC	EAN35152601
Q 301	Transistor	0TR387509AB
Q 302	Transistor	0TR387509AB
Q 303	Transistor	0IPMGON018A
Q 304	Transistor	0TR105009AA
Q 305	Transistor	0TR387509AB
Q 306	Transistor	0TR150409AC
Q 307	Transistor	0IPMGON018A
Q 308	Transistor	2SA1797
Q 309	Transistor	0TR105009AA
Q 316	Transistor	0IPMGON018A
Q 317	Transistor	0TR105009AA
Q 318	Transistor	0TR105009AA
Q 319	Transistor	0TR105009AA
Q 320	Transistor	0TR105009AC
Q 321	Transistor	0TR105009AA
Q 322	Transistor	0TR387509AB
Q 401	Transistor	2SA1797
Q 402	Transistor	0TR105009AA
Q 403	Transistor	0TR105009AA
Q 701	Transistor	0TR231239AA
Q 702	Transistor	0TR231239AA
Q 703	Transistor	0TR231239AA
Q 704	Transistor	0TR231239AA
Q 705	Transistor	0TR105009AC
Q 706	Transistor	0TR105009AC
Q 707	Transistor	0TR231239AA
Q 708	Transistor	0TR231239AA
Q 709	Transistor	0TR231239AA
Q 710	Transistor	0TR231239AA
D 101	Diode	0DD226009AA
D 301	Diode	EAH32120701
D 302	Diode	0DD160009AB
D 304	Diode	0DD540200CD
D 305	Diode	0DD184009AC
D 306	Diode	0DD184009AC
D 307	Diode	EAH32120701
D 308	Diode	0DD160009AB
D 309	Diode	0DD160009AB
D 401	Diode	0DD160009AB
D 407	Diode	0DD160009AB
D 410	Diode	0DD160009AB
D 411	Diode	0DD160009AB
D 801	Diode	RB160L-40
D 802	Diode	RB160L-40
L 101	Inductor	0LCCE00005T
L 104	Inductor	0LCCE00005N
L 105	Inductor	0LCCE00005N
L 106	Inductor	0LCCE00005N
L 107	Inductor	0LCCE00005N
L 201	Inductor	0LCCE00005N
L 202	Inductor	0LCCE00005N
L 205	Inductor	0LCCE00005N
L 206	Inductor	0LCCE00005N
L 207	Inductor	0LCCE00005N
L 208	Inductor	0LCCE00005N
L 301	Choke Coil 400 µH	EAP35563601
L 302	Inductor	0LCCE00005N
L 303	Inductor	631T603R
L 401	Inductor	0LCCE00005N
L 402	Inductor	0LCCE00005N
L 403	Inductor	0LCCE00005N
L 404	Inductor	0LCCE00005N
L 405	Inductor	0LCCE00005N
L 406	Inductor	0LCCE00005N
L 407	Inductor	0LCCE00005N
L 408	Inductor	0LCCE00005N
L 409	Inductor	0LCCE00005N
L 414	Inductor	0LCCE00005N
L 415	Inductor	0LCCE00005N
L 416	Inductor	0LCCE00005N
L 501	Inductor	0LCCE00005N
L 502	Inductor	LCTAW150J2520
L 503	Inductor	0LCCE00005N
L 601	Inductor	631T603R
L 602	Inductor	631T603R
L 701	Inductor	0LCCE00005N
L 702	Inductor	0LCCE00005N
X 401	Crystal Resonator 19.2 MHz	6212AB2192K

Circuit Symbol and No.		Part No.
X 402	Crystal Resonator 32.768 kHz	6202R-DA01B
SW401	Push Switch(RESET)	EBF30207101
⚠F203	Fuse 3 A	CEK1286
JK501	Jack	6612K00016A
ZD303	Diode	0DZKE00158A
⚠F702	Fuse 3 A	CEK1286
JK703	Pin Jack	6612J00015D
⚠F303	Fuse 750 mA	CEK1279
⚠F302	Fuse 250 mA	CEK1276
⚠F301	Fuse 250 mA	CEK1276
ZD301	Diode	0DZ028209AA
ZD412	Diode	EAH38631601
ZD411	Diode	EAH38631601
ZD304	Diode	0DZKE00088A
ZD401	Diode	0DZKE00318A
ZD306	Diode	0DZKE00158A
ZD402	Diode	0DZKE00318A
ZD403	Diode	0DZKE00318A
ZD404	Diode	0DZKE00318A
ZD406	Diode	0DZKE00318A
ZD407	Diode	0DZKE00318A
ZD408	Diode	0DZKE00318A
ZD409	Diode	0DZKE00318A
ZD410	Diode	0DZKE00318A
ZD405	Diode	0DZKE00318A
ZD302	Diode	0DZ021629AA
ANT101	Antenna Jack	6620S-G001A
BU302	Buzzer	EAB32746101
W 1	Wire,Jump	EAD39173201
CN902	Connector	EAG00587202
CN402	Connector	561-241B
CN403	Connector	EAG30944102
CN801	Connector	EAG35178802
CN901	Connector	EAG35850501
TU101	FM/AM Tuner Unit	EBL36199503

RESISTORS

R 101	RS1/10SR100J
R 102	RS1/10SR102J
R 103	RS1/10SR102J
R 104	RS1/10SR102J
R 105	RS1/10SR102J
R 111	RS1/10SR222J
R 112	RS1/10SR222J
R 113	RS1/10SR473J
R 114	RS1/10SR473J
R 115	RS1/10SR102J
R 205	RS1/10SR103J
R 250	RS1/10SR221J
R 251	RS1/10SR102J
R 252	RS1/10SR221J
R 253	RS1/10SR102J
R 301	RS1/10SR224J
R 302	RS1/10SR224J
R 303	RS1/10SR103J
R 304	RS1/10SR103J
R 305	RS1/10SR473J
R 306	RS1/10SR473J
R 311	RS1/10SR272J
R 312	RS1/10SR103J
R 313	RS1/10SR123J
R 317	RS1/10SR103J
R 318	RS1/10SR332J
R 319	RS1/10SR222J
R 320	RS1/10SR332J
R 321	RS1/10SR332J
R 322	RS1/8SQ152J
R 324	RS1/10SR332J
R 325	RS1/10SR472J
R 326	RS1/10SR103J
R 327	RS1/10SR393J
R 328	RS1/10SR473J
R 329	RS1/10SR472J
R 330	RS1/10SR472J
R 331	RS1/10SR102J
R 332	RS1/10SR101J
R 333	RS1/8SQ103J
R 334	RS1/8SQ332J
R 335	RS1/8SQ103J
R 336	RS1/8SQ332J
R 337	RS1/10SR101J
R 338	RS1/8SQ391J
R 339	RS1/10SR220J
R 340	RS1/10SR102J
R 344	RS1/10SR473J
R 345	RS1/10SR473J
R 401	RS1/10SR472J
R 402	RS1/10SR102J
R 403	RS1/10SR221J
R 404	RS1/10SR103J
R 405	RS1/10SR103J
R 406	RS1/10SR561J
R 407	RS1/10SR221J
R 408	RS1/10SR221J
R 409	RS1/10SR221J
R 410	RS1/10SR100J
R 411	RS1/10SR101J
R 412	RS1/10SR105J
R 413	RS1/10SR561J
R 414	RS1/10SR221J
R 415	RS1/10SR221J
R 416	RS1/10SR105J
R 417	RS1/10SR473J
R 418	RS1/10SR221J
R 419	RS1/10SR221J
R 420	RS1/10SR472J
R 421	RS1/10SR104J
R 422	RS1/10SR104J
R 423	RS1/10SR104J
R 424	RS1/10SR472J
R 425	RS1/10SR221J
R 426	RS1/10SR221J
R 427	RS1/10SR102J
R 428	RS1/10SR102J
R 429	RS1/10SR103J
R 430	RS1/10SR103J
R 431	RS1/10SR473J
R 432	RS1/10SR473J
R 433	RS1/10SR105J
R 434	RS1/10SR105J
R 435	RS1/10SR103J
R 436	RS1/10SR103J

Circuit Symbol and No.	Part No.
R 437	RS1/10SR221J
R 438	RS1/10SR102J
R 439	RS1/10SR472J
R 440	RS1/10SR472J
R 441	RS1/10SR102J
R 442	RS1/10SR102J
R 444	RS1/10SR222J
R 445	RS1/10SR221J
R 446	RS1/10SR471J
R 447	RS1/10SR221J
R 448	RS1/10SR222J
R 449	RS1/10SR222J
R 450	RS1/10SR104J
R 451	RS1/10SR334J
R 452	RS1/10SR475J
R 453	RS1/10SR221J
R 454	RS1/10SR221J
R 455	RS1/10SR472J
R 456	RS1/10SR102J
R 458	RS1/10SR103J
R 460	RS1/10SR75R0F
R 462	RS1/10SR75R0F
R 463	RS1/10SR473J
R 464	RS1/10SR391J
R 465	RS1/10SR391J
R 470	RS1/10SR124J
R 472	RS1/10SR102J
R 477	RS1/10SR102J
R 478	RS1/10SR102J
R 481	RS1/10SR473J
R 484	RS1/10SR122J
R 501	RS1/10SR331J
R 604	RS1/10SR222J
R 605	RS1/10SR222J
R 606	RS1/10SR473J
R 607	RS1/10SR473J
R 701	RS1/10SR104J
R 702	RS1/10SR123J
R 703	RS1/10SR153J
R 704	RS1/10SR104J
R 705	RS1/10SR123J
R 706	RS1/10SR153J
R 707	RS1/10SR822J
R 708	RS1/10SR821J
R 709	RS1/10SR103J
R 710	RS1/10SR123J
R 711	RS1/10SR153J
R 712	RS1/10SR104J
R 713	RS1/10SR104J
R 714	RS1/10SR123J
R 715	RS1/10SR153J
R 716	RS1/10SR822J
R 717	RS1/10SR821J
R 718	RS1/10SR103J
R 719	RS1/10SR101J
R 720	RS1/10SR104J
R 721	RS1/10SR104J
R 722	RS1/10SR104J
R 723	RS1/10SR104J
R 724	RS1/10SR101J

Circuit Symbol and No.	Part No.
R 725	RS1/10SR101J
R 726	RS1/10SR101J
R 727	RS1/10SR473J
R 729	RS1/10SR224J
R 741	RS1/10SR0R0J
R 742	RS1/10SR0R0J
R 801	RS1/10SR102J
R 802	RS1/10SR122J
R 803	RS1/10SR122J
R 804	RS1/10SR122J
R 805	RS1/10SR122J
R 806	RS1/10SR103J
R 807	RS1/10SR103J
R 808	RS1/10SR103J
R 809	RS1/10SR103J
R 810	RS1/10SR473J

CAPACITORS

C 101	CCSRCH120J50
C 102	CKSRYB104K16
C 103	CKSRYB102K50
C 104	0CE1074F629
C 105	CKSRYB102K50
C 114	CKSRYB104K16
C 201	CKSRYB104K16
C 202	CKSRYB104K16
C 203	CKSRYB104K16
C 204	CKSRYB104K16
C 205	CKSRYB104K16
C 206	EAE37913801
C 207	EAE37913801
C 208	CKSRYB104K16
C 209	0CE1074F629
C 221	0CE1074F629
C 226	CCSRCH330J50
C 227	CCSRCH330J50
C 228	CKSRYB104K16
C 229	CKSRYB104K16
C 302	0CH44R7K072
C 303	CKSRYB104K16
C 304	CKSRYB104K16
C 308	CKSRYB104K16
C 309	0CE338EF650
C 310	CKSRYB104K16
C 311	CKSRYB104K16
C 312	0CE1074F629
C 313	0CE1074F629
C 314	CKSRYB104K16
C 315	CKSRYB104K16
C 316	0CH1224K512
C 317	CKSRYF105Z16
C 318	EAE37913801
C 319	0CE1074F629
C 320	CKSRYB104K16
C 321	CKSRYB104K16
C 322	EAE37913801
C 323	0CE1074F629
C 324	CKSRYB104K16
C 325	CKSRYF105Z16
C 326	CKSRYB104K16
C 327	CEAL100M35

Circuit Symbol and No.	Part No.
C 328	CKSRYB104K16
C 329	CEAL470M16
C 331	0CE1074F629
C 336	EAE37913801
C 337	CKSRYB104K16
C 338	EAE37950401
C 339	CKSRYB104K16
C 343	CKSRYB104K16
C 401	CCSRCH150J50
C 402	CCSRCH150J50
C 403	CCSRCH150J50
C 404	CCSRCH330J50
C 405	CEAL100M16
C 406	CKSRYB104K16
C 407	624-034L
C 408	0CE1074F629
C 409	CKSRYB104K16
C 410	CCSRCH101J50
C 411	0CH1103K562
C 412	0CH1103K562
C 413	0CH1223K562
C 414	0CH1223K562
C 415	CKSRYB104K16
C 416	CKSRYB104K16
C 417	CCSRCH330J50
C 418	CCSRCH330J50
C 419	CCSRCH330J50
C 420	CCSRCH330J50
C 421	0CE1074F629
C 422	CKSRYB104K16
C 423	CKSRYB104K16
C 424	CKSRYB104K16
C 429	CKSYF226Z10
C 430	CEAL470M16
C 431	CCSRCH470J50
C 432	CCSRCH470J50
C 433	EAE37913801
C 434	EAE37913801
C 436	CCSRCH470J50
C 437	CCSRCH470J50
C 439	CKSRYB104K16
C 440	CCSRCH560J50
C 441	CKSYF226Z10
C 501	0CE1074F629
C 502	CKSRYB104K16
C 503	CCSRCH330J50
C 601	CEAL100M16
C 602	CEAL4R7M16
C 603	CEAL4R7M16
C 604	CEAL4R7M16
C 606	CEAL4R7M16
C 607	CEAL4R7M16
C 608	CEAL4R7M16
C 609	CEAL4R7M16
C 610	CKSRYF105Z16
C 611	CKSRYF105Z16
C 612	CEAL4R7M16
C 613	CEAL4R7M16
C 614	0CH1152K562
C 615	0CH1152K562
C 616	CEAL4R7M16

Circuit Symbol and No.	Part No.
C 632	0CE1074F629
C 633	CKSRYB104K16
C 634	CKSRYB104K16
C 636	CEAL220M16
C 637	CCSRCH150J50
C 638	CCSRCH150J50
C 701	CEAL4R7M16
C 702	CCSRCH151J50
C 703	CCSRCH560J50
C 704	CEAL4R7M16
C 705	CCSRCH560J50
C 706	CKSRYB104K16
C 707	0CE1074F629
C 708	CCSRCH151J50
C 709	0CE1074F629
C 710	CKSRYB104K16
C 711	CEAL4R7M16
C 712	CCSRCH151J50
C 713	CCSRCH560J50
C 714	CEAL4R7M16
C 715	CCSRCH560J50
C 716	CCSRCH151J50
C 717	CKSRYB104K16
C 718	0CE1074F629
C 719	CKSRYB104K16
C 720	0CE1074F629
C 721	CEAL4R7M16
C 722	CCSRCH101J50
C 723	CCSRCH101J50
C 724	CCSRCH101J50
C 725	CCSRCH101J50
C 726	CEAL4R7M16
C 727	CEAL4R7M16
C 728	CEAL4R7M16
C 730	CKSRYB104K16
C 801	0CH1182K562
C 802	0CH1182K562
C 803	0CH1182K562
C 804	0CH1182K562
C 805	CEALR10M50
C 806	CEAL470M16
C 807	0CH1474K562
C 808	0CH1474K562
C 809	0CH1474K562
C 810	EAE38700901
C 811	0CH1474K562
C 812	0CH1224K512
C 813	0CH1224K512
C 814	0CH1474K562
C 815	0CH1474K562
C 816	0CH1474K562
C 817	0CH1474K562

A

Unit Number : EBR37079106(RD)
Unit Name : PCB Assembly,Main

MISCELLANEOUS

IC 203	IC	0ISTLTI071A
IC 301	IC	0IPMG78431A

Circuit Symbol and No.		Part No.
IC 303	IC	0IPMG78430B
IC 304	IC	EAN35237401
IC 305	IC	0IPMGKE053A
IC 306	IC	EAN37193101
IC 307	Regulator	BA00CC0WFP
IC 401	IC	SAA30931302
IC 402	IC	0IPMGAU002A
IC 403		NJM2279M
IC 501	IC	0ISTLPH065A
IC 601	IC	EAN35154101
IC 701	IC	0ILNRAU017A
IC 702	IC	0ILNRAU017A
IC 801	IC	EAN35152601
Q 301	Transistor	0TR387509AB
Q 302	Transistor	0TR387509AB
Q 303	Transistor	0IPMGON018A
Q 304	Transistor	0TR105009AA
Q 305	Transistor	0TR387509AB
Q 306	Transistor	0TR150409AC
Q 307	Transistor	0IPMGON018A
Q 308	Transistor	2SA1797
Q 309	Transistor	0TR105009AA
Q 316	Transistor	0IPMGON018A
Q 317	Transistor	0TR105009AA
Q 318	Transistor	0TR105009AA
Q 319	Transistor	0TR105009AA
Q 320	Transistor	0TR105009AC
Q 321	Transistor	0TR105009AA
Q 322	Transistor	0TR387509AB
Q 401	Transistor	2SA1797
Q 402	Transistor	0TR105009AA
Q 403	Transistor	0TR105009AA
Q 701	Transistor	0TR231239AA
Q 702	Transistor	0TR231239AA
Q 703	Transistor	0TR231239AA
Q 704	Transistor	0TR231239AA
Q 705	Transistor	0TR105009AC
Q 706	Transistor	0TR105009AC
Q 707	Transistor	0TR231239AA
Q 708	Transistor	0TR231239AA
Q 709	Transistor	0TR231239AA
Q 710	Transistor	0TR231239AA
D 101	Diode	0DD226009AA
D 301	Diode	EAH32120701
D 302	Diode	0DD160009AB
D 304	Diode	0DD540200CD
D 305	Diode	0DD184009AC
D 306	Diode	0DD184009AC
D 307	Diode	EAH32120701
D 308	Diode	0DD160009AB
D 309	Diode	0DD160009AB
D 402	Diode	0DD160009AB
D 407	Diode	0DD160009AB
D 410	Diode	0DD160009AB
D 411	Diode	0DD160009AB
D 801	Diode	RB160L-40
D 802	Diode	RB160L-40
L 101	Inductor	0LCCE00005T
L 104	Inductor	0LCCE00005N
L 105	Inductor	0LCCE00005N
L 106	Inductor	0LCCE00005N

Circuit Symbol and No.		Part No.
L 107	Inductor	0LCCE00005N
L 201	Inductor	0LCCE00005N
L 202	Inductor	0LCCE00005N
L 205	Inductor	0LCCE00005N
L 206	Inductor	0LCCE00005N
L 207	Inductor	0LCCE00005N
L 208	Inductor	0LCCE00005N
L 301	Choke Coil 400 µH	EAP35563601
L 302	Inductor	0LCCE00005N
L 303	Inductor	631T603R
L 401	Inductor	0LCCE00005N
L 402	Inductor	0LCCE00005N
L 403	Inductor	0LCCE00005N
L 404	Inductor	0LCCE00005N
L 405	Inductor	0LCCE00005N
L 406	Inductor	0LCCE00005N
L 407	Inductor	0LCCE00005N
L 408	Inductor	0LCCE00005N
L 409	Inductor	0LCCE00005N
L 414	Inductor	0LCCE00005N
L 415	Inductor	0LCCE00005N
L 416	Inductor	0LCCE00005N
L 501	Inductor	0LCCE00005N
L 502	Inductor	LCTAW150J2520
L 503	Inductor	0LCCE00005N
L 601	Inductor	631T603R
L 602	Inductor	631T603R
L 701	Inductor	0LCCE00005N
L 702	Inductor	0LCCE00005N
X 401	Crystal Resonator 19.2 MHz	6212AB2192K
X 402	Crystal Resonator 32.768 kHz	6202R-DA01B
SW401	Push Switch(RESET)	EBF30207101
ZD408	Diode	0DZKE00318A
ZD409	Diode	0DZKE00318A
ZD410	Diode	0DZKE00318A
ZD302	Diode	0DZ021629AA
JK703	Pin Jack	6612J00015D
ZD301	Diode	0DZ028209AA
ZD303	Diode	0DZKE00158A
ZD401	Diode	0DZKE00318A
ZD402	Diode	0DZKE00318A
ZD304	Diode	0DZKE00088A
ZD407	Diode	0DZKE00318A
ZD404	Diode	0DZKE00318A
ZD405	Diode	0DZKE00318A
JK501	Jack	6612K00016A
ZD306	Diode	0DZKE00158A
ZD406	Diode	0DZKE00318A
ZD403	Diode	0DZKE00318A
⚠F301	Fuse 250 mA	CEK1276
⚠F303	Fuse 750 mA	CEK1279
⚠F702	Fuse 3 A	CEK1286
⚠F302	Fuse 250 mA	CEK1276
ZD412	Diode	EAH38631601
ZD411	Diode	EAH38631601
⚠F203	Fuse 3 A	CEK1286
ANT101	Antenna Jack	6620S-G001A
BU302	Buzzer	EAB32746101
W 1	Wire,Jump	EAD39173201
CN902	Connector	EAG00587202
CN402	Connector	561-241B

Circuit Symbol and No.		Part No.
CN403	Connector	EAG30944102
CN801	Connector	EAG35178802
CN901	Connector	EAG35850501
TU101	FM/AM Tuner Unit	EBL36199503

RESISTORS

R 101	RS1/10SR100J
R 102	RS1/10SR102J
R 103	RS1/10SR102J
R 104	RS1/10SR102J
R 105	RS1/10SR102J
R 111	RS1/10SR222J
R 112	RS1/10SR222J
R 113	RS1/10SR473J
R 114	RS1/10SR473J
R 115	RS1/10SR102J
R 205	RS1/10SR103J
R 250	RS1/10SR221J
R 251	RS1/10SR102J
R 252	RS1/10SR221J
R 253	RS1/10SR102J
R 301	RS1/10SR224J
R 302	RS1/10SR224J
R 303	RS1/10SR103J
R 304	RS1/10SR103J
R 305	RS1/10SR473J
R 306	RS1/10SR473J
R 311	RS1/10SR272J
R 312	RS1/10SR103J
R 313	RS1/10SR123J
R 317	RS1/10SR103J
R 318	RS1/10SR332J
R 319	RS1/10SR222J
R 320	RS1/10SR332J
R 321	RS1/10SR332J
R 322	RS1/8SQ152J
R 324	RS1/10SR332J
R 325	RS1/10SR472J
R 326	RS1/10SR103J
R 327	RS1/10SR393J
R 328	RS1/10SR473J
R 329	RS1/10SR472J
R 330	RS1/10SR472J
R 331	RS1/10SR102J
R 332	RS1/10SR101J
R 333	RS1/8SQ103J
R 334	RS1/8SQ332J
R 335	RS1/8SQ103J
R 336	RS1/8SQ332J
R 337	RS1/10SR101J
R 338	RS1/8SQ391J
R 339	RS1/10SR220J
R 340	RS1/10SR102J
R 344	RS1/10SR473J
R 345	RS1/10SR473J
R 401	RS1/10SR472J
R 402	RS1/10SR102J
R 403	RS1/10SR221J
R 404	RS1/10SR103J
R 405	RS1/10SR103J
R 406	RS1/10SR561J

Circuit Symbol and No.	Part No.
R 407	RS1/10SR221J
R 408	RS1/10SR221J
R 409	RS1/10SR221J
R 410	RS1/10SR100J
R 411	RS1/10SR101J
R 412	RS1/10SR105J
R 413	RS1/10SR561J
R 414	RS1/10SR221J
R 415	RS1/10SR221J
R 416	RS1/10SR105J
R 417	RS1/10SR473J
R 418	RS1/10SR221J
R 419	RS1/10SR221J
R 420	RS1/10SR472J
R 421	RS1/10SR104J
R 422	RS1/10SR104J
R 423	RS1/10SR104J
R 424	RS1/10SR472J
R 425	RS1/10SR221J
R 426	RS1/10SR221J
R 427	RS1/10SR102J
R 428	RS1/10SR102J
R 429	RS1/10SR103J
R 430	RS1/10SR103J
R 431	RS1/10SR473J
R 432	RS1/10SR473J
R 433	RS1/10SR105J
R 434	RS1/10SR105J
R 435	RS1/10SR103J
R 436	RS1/10SR103J
R 437	RS1/10SR221J
R 438	RS1/10SR102J
R 439	RS1/10SR472J
R 440	RS1/10SR472J
R 441	RS1/10SR102J
R 442	RS1/10SR102J
R 444	RS1/10SR222J
R 445	RS1/10SR221J
R 446	RS1/10SR471J
R 447	RS1/10SR221J
R 448	RS1/10SR222J
R 449	RS1/10SR222J
R 450	RS1/10SR104J
R 451	RS1/10SR334J
R 452	RS1/10SR475J
R 453	RS1/10SR221J
R 454	RS1/10SR221J
R 455	RS1/10SR472J
R 456	RS1/10SR102J
R 458	RS1/10SR103J
R 460	RS1/10SR75R0F
R 462	RS1/10SR75R0F
R 463	RS1/10SR473J
R 464	RS1/10SR391J
R 465	RS1/10SR391J
R 470	RS1/10SR124J
R 472	RS1/10SR102J
R 477	RS1/10SR102J
R 478	RS1/10SR102J
R 481	RS1/10SR473J

Circuit Symbol and No.	Part No.
R 484	RS1/10SR122J
R 501	RS1/10SR331J
R 604	RS1/10SR222J
R 605	RS1/10SR222J
R 606	RS1/10SR473J
R 607	RS1/10SR473J
R 701	RS1/10SR104J
R 702	RS1/10SR123J
R 703	RS1/10SR153J
R 704	RS1/10SR104J
R 705	RS1/10SR123J
R 706	RS1/10SR153J
R 707	RS1/10SR822J
R 708	RS1/10SR821J
R 709	RS1/10SR103J
R 710	RS1/10SR123J
R 711	RS1/10SR153J
R 712	RS1/10SR104J
R 713	RS1/10SR104J
R 714	RS1/10SR123J
R 715	RS1/10SR153J
R 716	RS1/10SR822J
R 717	RS1/10SR821J
R 718	RS1/10SR103J
R 719	RS1/10SR101J
R 720	RS1/10SR104J
R 721	RS1/10SR104J
R 722	RS1/10SR104J
R 723	RS1/10SR104J
R 724	RS1/10SR101J
R 725	RS1/10SR101J
R 726	RS1/10SR101J
R 727	RS1/10SR473J
R 729	RS1/10SR224J
R 741	RS1/10SR0R0J
R 742	RS1/10SR0R0J
R 801	RS1/10SR102J
R 802	RS1/10SR122J
R 803	RS1/10SR122J
R 804	RS1/10SR122J
R 805	RS1/10SR122J
R 806	RS1/10SR103J
R 807	RS1/10SR103J
R 808	RS1/10SR103J
R 809	RS1/10SR103J
R 810	RS1/10SR473J

CAPACITORS

Circuit Symbol and No.	Part No.
C 101	CCSRCH120J50
C 102	CKSRYB104K16
C 103	CKSRYB102K50
C 104	0CE1074F629
C 105	CKSRYB102K50
C 114	CKSRYB104K16
C 201	CKSRYB104K16
C 202	CKSRYB104K16
C 203	CKSRYB104K16
C 204	CKSRYB104K16
C 205	CKSRYB104K16
C 206	EAE37913801
C 207	EAE37913801
C 208	CKSRYB104K16
C 209	0CE1074F629
C 221	0CE1074F629
C 226	CCSRCH330J50
C 227	CCSRCH330J50
C 228	CKSRYB104K16
C 229	CKSRYB104K16
C 302	0CH44R7K072
C 303	CKSRYB104K16
C 304	CKSRYB104K16
C 308	CKSRYB104K16
C 309	0CE338EF650
C 310	CKSRYB104K16
C 311	CKSRYB104K16
C 312	0CE1074F629
C 313	0CE1074F629
C 314	CKSRYB104K16
C 315	CKSRYB104K16
C 316	0CH1224K512
C 317	CKSRYF105Z16
C 318	EAE37913801
C 319	0CE1074F629
C 320	CKSRYB104K16
C 321	CKSRYB104K16
C 322	EAE37913801
C 323	0CE1074F629
C 324	CKSRYB104K16
C 325	CKSRYF105Z16
C 326	CKSRYB104K16
C 327	CEAL100M35
C 328	CKSRYB104K16
C 329	CEAL470M16
C 331	0CE1074F629
C 336	EAE37913801
C 337	CKSRYB104K16
C 338	EAE37950401
C 339	CKSRYB104K16
C 343	CKSRYB104K16
C 401	CCSRCH150J50
C 402	CCSRCH150J50
C 403	CCSRCH150J50
C 404	CCSRCH330J50
C 405	CEAL100M16
C 406	CKSRYB104K16
C 407	624-034L
C 408	0CE1074F629
C 409	CKSRYB104K16
C 410	CCSRCH101J50
C 411	0CH1103K562
C 412	0CH1103K562
C 413	0CH1223K562
C 414	0CH1223K562
C 415	CKSRYB104K16
C 416	CKSRYB104K16
C 417	CCSRCH330J50
C 418	CCSRCH330J50
C 419	CCSRCH330J50
C 420	CCSRCH330J50
C 421	0CE1074F629
C 422	CKSRYB104K16
C 423	CKSRYB104K16

Circuit Symbol and No.	Part No.
C 424	CKSRYB104K16
C 429	CKSYF226Z10
C 430	CEAL470M16
C 431	CCSRCH470J50
C 432	CCSRCH470J50
C 433	EAE37913801
C 434	EAE37913801
C 436	CCSRCH470J50
C 437	CCSRCH470J50
C 439	CKSRYB104K16
C 440	CCSRCH560J50
C 441	CKSYF226Z10
C 501	0CE1074F629
C 502	CKSRYB104K16
C 503	CCSRCH330J50
C 601	CEAL100M16
C 602	CEAL4R7M16
C 603	CEAL4R7M16
C 604	CEAL4R7M16
C 606	CEAL4R7M16
C 607	CEAL4R7M16
C 608	CEAL4R7M16
C 609	CEAL4R7M16
C 610	CKSRYF105Z16
C 611	CKSRYF105Z16
C 612	CEAL4R7M16
C 613	CEAL4R7M16
C 614	0CH1152K562
C 615	0CH1152K562
C 616	CEAL4R7M16
C 632	0CE1074F629
C 633	CKSRYB104K16
C 634	CKSRYB104K16
C 636	CEAL220M16
C 637	CCSRCH150J50
C 638	CCSRCH150J50
C 701	CEAL4R7M16
C 702	CCSRCH151J50
C 703	CCSRCH560J50
C 704	CEAL4R7M16
C 705	CCSRCH560J50
C 706	CKSRYB104K16
C 707	0CE1074F629
C 708	CCSRCH151J50
C 709	0CE1074F629
C 710	CKSRYB104K16
C 711	CEAL4R7M16
C 712	CCSRCH151J50
C 713	CCSRCH560J50
C 714	CEAL4R7M16
C 715	CCSRCH560J50
C 716	CCSRCH151J50
C 717	CKSRYB104K16
C 718	0CE1074F629
C 719	CKSRYB104K16
C 720	0CE1074F629
C 721	CEAL4R7M16
C 722	CCSRCH101J50
C 723	CCSRCH101J50
C 724	CCSRCH101J50
C 725	CCSRCH101J50

Circuit Symbol and No.	Part No.
C 726	CEAL4R7M16
C 727	CEAL4R7M16
C 728	CEAL4R7M16
C 730	CKSRYB104K16
C 801	0CH1182K562
C 802	0CH1182K562
C 803	0CH1182K562
C 804	0CH1182K562
C 805	CEALR10M50
C 806	CEAL470M16
C 807	0CH1474K562
C 808	0CH1474K562
C 809	0CH1474K562
C 810	EAE38700901
C 811	0CH1474K562
C 812	0CH1224K512
C 813	0CH1224K512
C 814	0CH1474K562
C 815	0CH1474K562
C 816	0CH1474K562
C 817	0CH1474K562

A

Unit Number : EBR37079105(RI)
Unit Name : PCB Assembly,Main

MISCELLANEOUS

IC 203	IC	0ISTLTI071A
IC 301	IC	0IPMG78431A
IC 303	IC	0IPMG78430B
IC 304	IC	EAN35237401
IC 305	IC	0IPMGKE053A
IC 306	IC	EAN37193101
IC 307	IC	BA00CC0WFP
IC 401	IC	SAA30931302
IC 402	IC	0IPMGAU002A
IC 403	IC	NJM2279M
IC 501	IC	0ISTLPH065A
IC 601	IC	EAN35154101
IC 701	IC	0ILNRAU017A
IC 702	IC	0ILNRAU017A
IC 801	IC	EAN35152601
Q 301	Transistor	0TR387509AB
Q 302	Transistor	0TR387509AB
Q 303	Transistor	0IPMGON018A
Q 304	Transistor	0TR105009AA
Q 305	Transistor	0TR387509AB
Q 306	Transistor	0TR150409AC
Q 307	Transistor	0IPMGON018A
Q 308	Transistor	2SA1797
Q 309	Transistor	0TR105009AA
Q 316	Transistor	0IPMGON018A
Q 317	Transistor	0TR105009AA
Q 318	Transistor	0TR105009AA
Q 319	Transistor	0TR105009AA
Q 320	Transistor	0TR105009AC
Q 321	Transistor	0TR105009AA
Q 322	Transistor	0TR387509AB
Q 401	Transistor	2SA1797

Circuit Symbol and No.		Part No.
Q 402	Transistor	0TR105009AA
Q 403	Transistor	0TR105009AA
Q 701	Transistor	0TR231239AA
Q 702	Transistor	0TR231239AA
Q 703	Transistor	0TR231239AA
Q 704	Transistor	0TR231239AA
Q 705	Transistor	0TR105009AC
Q 706	Transistor	0TR105009AC
Q 707	Transistor	0TR231239AA
Q 708	Transistor	0TR231239AA
Q 709	Transistor	0TR231239AA
Q 710	Transistor	0TR231239AA
D 101	Diode	0DD226009AA
D 301	Diode	EAH32120701
D 302	Diode	0DD160009AB
D 304	Diode	0DD540200CD
D 305	Diode	0DD184009AC
D 306	Diode	0DD184009AC
D 307	Diode	EAH32120701
D 308	Diode	0DD160009AB
D 309	Diode	0DD160009AB
D 401	Diode	0DD160009AB
D 402	Diode	0DD160009AB
D 407	Diode	0DD160009AB
D 410	Diode	0DD160009AB
D 411	Diode	0DD160009AB
D 801	Diode	RB160L-40
D 802	Diode	RB160L-40
L 101	Inductor	0LCCE00005T
L 104	Inductor	0LCCE00005N
L 105	Inductor	0LCCE00005N
L 106	Inductor	0LCCE00005N
L 107	Inductor	0LCCE00005N
L 201	Inductor	0LCCE00005N
L 202	Inductor	0LCCE00005N
L 205	Inductor	0LCCE00005N
L 206	Inductor	0LCCE00005N
L 207	Inductor	0LCCE00005N
L 208	Inductor	0LCCE00005N
L 301	Choke Coil 400 µH	EAP35563601
L 302	Inductor	0LCCE00005N
L 303	Inductor	631T603R
L 401	Inductor	0LCCE00005N
L 402	Inductor	0LCCE00005N
L 403	Inductor	0LCCE00005N
L 404	Inductor	0LCCE00005N
L 405	Inductor	0LCCE00005N
L 406	Inductor	0LCCE00005N
L 407	Inductor	0LCCE00005N
L 408	Inductor	0LCCE00005N
L 409	Inductor	0LCCE00005N
L 414	Inductor	0LCCE00005N
L 415	Inductor	0LCCE00005N
L 416	Inductor	0LCCE00005N
L 501	Inductor	0LCCE00005N
L 502	Inductor	LCTAW150J2520
L 503	Inductor	0LCCE00005N
L 601	Inductor	631T603R
L 602	Inductor	631T603R
L 701	Inductor	0LCCE00005N
L 702	Inductor	0LCCE00005N

Circuit Symbol and No.		Part No.
X 401	Crystal Resonator 19.2 MHz	6212AB2192K
X 402	Crystal Resonator 32.768 kHz	6202R-DA01B
SW401	Push Switch(RESET)	EBF30207101
ZD301	Diode	0DZ028209AA
ZD302	Diode	0DZ021629AA
ZD410	Diode	0DZKE00318A
ZD409	Diode	0DZKE00318A
ZD408	Diode	0DZKE00318A
JK703	Pin Jack	6612J00015D
JK501	Jack	6612K00016A
ZD407	Diode	0DZKE00318A
⚠F702	Fuse 3 A	CEK1286
⚠F303	Fuse 750 mA	CEK1279
ZD412	Diode	EAH38631601
ZD411	Diode	EAH38631601
ZD303	Diode	0DZKE00158A
ZD406	Diode	0DZKE00318A
ZD405	Diode	0DZKE00318A
ZD404	Diode	0DZKE00318A
ZD403	Diode	0DZKE00318A
ZD402	Diode	0DZKE00318A
ZD401	Diode	0DZKE00318A
⚠F203	Fuse 3 A	CEK1286
⚠F301	Fuse 250 mA	CEK1276
⚠F302	Fuse 250 mA	CEK1276
ZD304	Diode	0DZKE00088A
ZD306	Diode	0DZKE00158A
ANT101	Antenna Jack	6620S-G001A
BU302	Buzzer	EAB32746101
W 1	Wire,Jump	EAD39173201
CN902	Connector	EAG00587202
CN402	Connector	561-241B
CN403	Connector	EAG30944102
CN801	Connector	EAG35178802
CN901	Connector	EAG35850501
TU101	FM/AM Tuner Unit	EBL36199503

RESISTORS

R 101	RS1/10SR100J
R 102	RS1/10SR102J
R 103	RS1/10SR102J
R 104	RS1/10SR102J
R 105	RS1/10SR102J
R 111	RS1/10SR222J
R 112	RS1/10SR222J
R 113	RS1/10SR473J
R 114	RS1/10SR473J
R 115	RS1/10SR102J
R 205	RS1/10SR103J
R 250	RS1/10SR221J
R 251	RS1/10SR102J
R 252	RS1/10SR221J
R 253	RS1/10SR102J
R 301	RS1/10SR224J
R 302	RS1/10SR224J
R 303	RS1/10SR103J
R 304	RS1/10SR103J
R 305	RS1/10SR473J
R 306	RS1/10SR473J
R 311	RS1/10SR272J
R 312	RS1/10SR103J

Circuit Symbol and No.	Part No.
R 313	RS1/10SR123J
R 317	RS1/10SR103J
R 318	RS1/10SR332J
R 319	RS1/10SR222J
R 320	RS1/10SR332J
R 321	RS1/10SR332J
R 322	RS1/8SQ152J
R 324	RS1/10SR332J
R 325	RS1/10SR472J
R 326	RS1/10SR103J
R 327	RS1/10SR393J
R 328	RS1/10SR473J
R 329	RS1/10SR472J
R 330	RS1/10SR472J
R 331	RS1/10SR102J
R 332	RS1/10SR101J
R 333	RS1/8SQ103J
R 334	RS1/8SQ332J
R 335	RS1/8SQ103J
R 336	RS1/8SQ332J
R 337	RS1/10SR101J
R 338	RS1/8SQ391J
R 339	RS1/10SR220J
R 340	RS1/10SR102J
R 344	RS1/10SR473J
R 345	RS1/10SR473J
R 401	RS1/10SR472J
R 402	RS1/10SR102J
R 403	RS1/10SR221J
R 404	RS1/10SR103J
R 405	RS1/10SR103J
R 406	RS1/10SR561J
R 407	RS1/10SR221J
R 408	RS1/10SR221J
R 409	RS1/10SR221J
R 410	RS1/10SR100J
R 411	RS1/10SR101J
R 412	RS1/10SR105J
R 413	RS1/10SR561J
R 414	RS1/10SR221J
R 415	RS1/10SR221J
R 416	RS1/10SR105J
R 417	RS1/10SR473J
R 418	RS1/10SR221J
R 419	RS1/10SR221J
R 420	RS1/10SR472J
R 421	RS1/10SR104J
R 422	RS1/10SR104J
R 423	RS1/10SR104J
R 424	RS1/10SR472J
R 425	RS1/10SR221J
R 426	RS1/10SR221J
R 427	RS1/10SR102J
R 428	RS1/10SR102J
R 429	RS1/10SR103J
R 430	RS1/10SR103J
R 431	RS1/10SR473J
R 432	RS1/10SR473J
R 433	RS1/10SR105J
R 434	RS1/10SR105J
R 435	RS1/10SR103J

Circuit Symbol and No.	Part No.
R 436	RS1/10SR103J
R 437	RS1/10SR221J
R 438	RS1/10SR102J
R 439	RS1/10SR472J
R 440	RS1/10SR472J
R 441	RS1/10SR102J
R 442	RS1/10SR102J
R 444	RS1/10SR222J
R 445	RS1/10SR221J
R 446	RS1/10SR471J
R 447	RS1/10SR221J
R 448	RS1/10SR222J
R 449	RS1/10SR222J
R 450	RS1/10SR104J
R 451	RS1/10SR334J
R 452	RS1/10SR475J
R 453	RS1/10SR221J
R 454	RS1/10SR221J
R 455	RS1/10SR472J
R 456	RS1/10SR102J
R 458	RS1/10SR103J
R 460	RS1/10SR75R0F
R 462	RS1/10SR75R0F
R 463	RS1/10SR473J
R 464	RS1/10SR391J
R 465	RS1/10SR391J
R 470	RS1/10SR124J
R 472	RS1/10SR102J
R 477	RS1/10SR102J
R 478	RS1/10SR102J
R 481	RS1/10SR473J
R 484	RS1/10SR122J
R 501	RS1/10SR331J
R 604	RS1/10SR222J
R 605	RS1/10SR222J
R 606	RS1/10SR473J
R 607	RS1/10SR473J
R 701	RS1/10SR104J
R 702	RS1/10SR123J
R 703	RS1/10SR153J
R 704	RS1/10SR104J
R 705	RS1/10SR123J
R 706	RS1/10SR153J
R 707	RS1/10SR822J
R 708	RS1/10SR821J
R 709	RS1/10SR103J
R 710	RS1/10SR123J
R 711	RS1/10SR153J
R 712	RS1/10SR104J
R 713	RS1/10SR104J
R 714	RS1/10SR123J
R 715	RS1/10SR153J
R 716	RS1/10SR822J
R 717	RS1/10SR821J
R 718	RS1/10SR103J
R 719	RS1/10SR101J
R 720	RS1/10SR104J
R 721	RS1/10SR104J
R 722	RS1/10SR104J
R 723	RS1/10SR104J
R 724	RS1/10SR101J

Circuit Symbol and No.	Part No.
R 725	RS1/10SR101J
R 726	RS1/10SR101J
R 727	RS1/10SR473J
R 729	RS1/10SR224J
R 741	RS1/10SR0R0J
R 742	RS1/10SR0R0J
R 801	RS1/10SR102J
R 802	RS1/10SR122J
R 803	RS1/10SR122J
R 804	RS1/10SR122J
R 805	RS1/10SR122J
R 806	RS1/10SR103J
R 807	RS1/10SR103J
R 808	RS1/10SR103J
R 809	RS1/10SR103J
R 810	RS1/10SR473J

CAPACITORS

C 101	CCSRCH120J50
C 102	CKSRYB104K16
C 103	CKSRYB102K50
C 104	0CE1074F629
C 105	CKSRYB102K50
C 114	CKSRYB104K16
C 201	CKSRYB104K16
C 202	CKSRYB104K16
C 203	CKSRYB104K16
C 204	CKSRYB104K16
C 205	CKSRYB104K16
C 206	EAE37913801
C 207	EAE37913801
C 208	CKSRYB104K16
C 209	0CE1074F629
C 221	0CE1074F629
C 226	CCSRCH330J50
C 227	CCSRCH330J50
C 228	CKSRYB104K16
C 229	CKSRYB104K16
C 302	0CH44R7K072
C 303	CKSRYB104K16
C 304	CKSRYB104K16
C 308	CKSRYB104K16
C 309	0CE338EF650
C 310	CKSRYB104K16
C 311	CKSRYB104K16
C 312	0CE1074F629
C 313	0CE1074F629
C 314	CKSRYB104K16
C 315	CKSRYB104K16
C 316	0CH1224K512
C 317	CKSRYF105Z16
C 318	EAE37913801
C 319	0CE1074F629
C 320	CKSRYB104K16
C 321	CKSRYB104K16
C 322	EAE37913801
C 323	0CE1074F629
C 324	CKSRYB104K16
C 325	CKSRYF105Z16
C 326	CKSRYB104K16
C 327	CEAL100M35
C 328	CKSRYB104K16
C 329	CEAL470M16
C 331	0CE1074F629
C 336	EAE37913801
C 337	CKSRYB104K16
C 338	EAE37950401
C 339	CKSRYB104K16
C 343	CKSRYB104K16
C 401	CCSRCH150J50
C 402	CCSRCH150J50
C 403	CCSRCH150J50
C 404	CCSRCH330J50
C 405	CEAL100M16
C 406	CKSRYB104K16
C 407	624-034L
C 408	0CE1074F629
C 409	CKSRYB104K16
C 410	CCSRCH101J50
C 411	0CH1103K562
C 412	0CH1103K562
C 413	0CH1223K562
C 414	0CH1223K562
C 415	CKSRYB104K16
C 416	CKSRYB104K16
C 417	CCSRCH330J50
C 418	CCSRCH330J50
C 419	CCSRCH330J50
C 420	CCSRCH330J50
C 421	0CE1074F629
C 422	CKSRYB104K16
C 423	CKSRYB104K16
C 424	CKSRYB104K16
C 429	CKSYF226Z10
C 430	CEAL470M16
C 431	CCSRCH470J50
C 432	CCSRCH470J50
C 433	EAE37913801
C 434	EAE37913801
C 436	CCSRCH470J50
C 437	CCSRCH470J50
C 439	CKSRYB104K16
C 440	CCSRCH560J50
C 441	CKSYF226Z10
C 501	0CE1074F629
C 502	CKSRYB104K16
C 503	CCSRCH330J50
C 601	CEAL100M16
C 602	CEAL4R7M16
C 603	CEAL4R7M16
C 604	CEAL4R7M16
C 606	CEAL4R7M16
C 607	CEAL4R7M16
C 608	CEAL4R7M16
C 609	CEAL4R7M16
C 610	CKSRYF105Z16
C 611	CKSRYF105Z16
C 612	CEAL4R7M16
C 613	CEAL4R7M16
C 614	0CH1152K562
C 615	0CH1152K562

Circuit Symbol and No.	Part No.
C 616	CEAL4R7M16
C 632	0CE1074F629
C 633	CKSRYB104K16
C 634	CKSRYB104K16
C 636	CEAL220M16
C 637	CCSRCH150J50
C 638	CCSRCH150J50
C 701	CEAL4R7M16
C 702	CCSRCH151J50
C 703	CCSRCH560J50
C 704	CEAL4R7M16
C 705	CCSRCH560J50
C 706	CKSRYB104K16
C 707	0CE1074F629
C 708	CCSRCH151J50
C 709	0CE1074F629
C 710	CKSRYB104K16
C 711	CEAL4R7M16
C 712	CCSRCH151J50
C 713	CCSRCH560J50
C 714	CEAL4R7M16
C 715	CCSRCH560J50
C 716	CCSRCH151J50
C 717	CKSRYB104K16
C 718	0CE1074F629
C 719	CKSRYB104K16
C 720	0CE1074F629
C 721	CEAL4R7M16
C 722	CCSRCH101J50
C 723	CCSRCH101J50
C 724	CCSRCH101J50
C 725	CCSRCH101J50
C 726	CEAL4R7M16
C 727	CEAL4R7M16
C 728	CEAL4R7M16
C 730	CKSRYB104K16
C 801	0CH1182K562
C 802	0CH1182K562
C 803	0CH1182K562
C 804	0CH1182K562
C 805	CEALR10M50
C 806	CEAL470M16
C 807	0CH1474K562
C 808	0CH1474K562
C 809	0CH1474K562
C 810	EAE38700901
C 811	0CH1474K562
C 812	0CH1224K512
C 813	0CH1224K512
C 814	0CH1474K562
C 815	0CH1474K562
C 816	0CH1474K562
C 817	0CH1474K562

B

Unit Number : EBR33834402(EW5)

Unit Name : PCB Assembly,Front

MISCELLANEOUS

Circuit Symbol and No.	Part No.
IC 901	0ILNRPY003B
RMC1	6712R2038GP
L 901	0LCCE00005N
L 902	0LCCE00005N
SW901	EBF00183902
SW902	EBF00183902
SW903	EBF00183902
SW904	EBF00183902
SW905	EBF00183902
SW906	EBF00183902
SW907	EBF00183902
SW908	EBF00183902
SW909	EBF00183902
SW911	EBF00183902
SW912	EBF00183902
SW913	EBF00183902
SW914	EBF00183902
SW915	EBF00183902
SW916	EBF00183902
SW917	EBF00183902
SW918	EBF00183902
ZD903	0DZKE00318A
ZD904	0DZKE00318A
LD906	0DLLN0048AB
ZD902	0DZKE00188A
ZD901	0DZKE00188A
LD914	EAV34144001
LD910	EAV34144001
LD902	EAV34144001
LD901	EAV34144001
LD912	EAV34144001
LD913	EAV34144001
LCD	6304TRC014C
ZD909	0DZKE00318A
ZD908	0DZKE00318A
ZD907	0DZKE00318A
ZD906	0DZKE00318A
ZD905	0DZKE00318A
LD903	0DLLN0048AB
LD909	EAV34144001
LD991	EAV38097601
LD923	EAV34144001
LD922	EAV34144001
LD905	0DLLN0048AB
LD921	EAV34144001
LD907	EAV34144001
LD920	EAV34144001
LD919	EAV34144001
LD918	EAV34144001
LD917	EAV34144001
LD916	EAV34144001
LD915	EAV34144001
LD911	EAV34144001
LD992	EAV38097601
LD904	0DLLN0048AB
LD908	EAV34144001
EV901	EBF33642402
CN502	EAG35850401
CN503	6630V90135A

RESISTORS

Circuit Symbol and No.	Part No.
R 901	RS1/10SR681J
R 902	RS1/10SR681J
R 903	RS1/10SR681J
R 904	RS1/10SR222J
R 905	RS1/10SR473J
R 906	RS1/8SQ470J
R 912	RS1/8SQ152J
R 913	RS1/8SQ152J
R 914	RS1/8SQ122J
R 915	RS1/8SQ152J
R 916	RS1/8SQ222J
R 917	RS1/8SQ332J
R 918	RS1/8SQ472J
R 919	RS1/8SQ822J
R 920	RS1/8SQ153J
R 921	RS1/8SQ273J
R 922	RS1/10SR103J
R 923	RS1/8SQ122J
R 924	RS1/8SQ152J
R 925	RS1/8SQ222J
R 926	RS1/8SQ332J
R 927	RS1/8SQ472J
R 928	RS1/8SQ822J
R 929	RS1/8SQ153J
R 930	RS1/8SQ273J
R 931	RS1/10SR122J
R 932	RS1/10SR103J
R 933	RS1/10SR122J
R 940	RS1/10SR100J
R 960	RS1/8SQ472J
R 961	RS1/8SQ561J
R 962	RS1/8SQ561J
R 963	RS1/8SQ272J
R 964	RS1/8SQ472J
R 965	RS1/8SQ432J
R 966	RS1/8SQ432J
R 967	RS1/8SQ562J
R 968	RS1/8SQ752J
R 969	RS1/8SQ562J
R 970	RS1/8SQ512J
R 971	RS1/8SQ562J
R 972	RS1/8SQ151J
R 973	RS1/8SQ151J
R 974	RS1/8SQ622J
R 975	RS1/8SQ163J

CAPACITORS

C 901	CKSRYB102K50
C 902	CKSRYF105Z16
C 906	CKSRYF104Z50
C 909	CCSRCH330J50
C 910	CCSRCH330J50
C 911	CCSRCH330J50
C 922	CCSQCH100D50
C 923	CCSQCH100D50
C 926	CCSQCH221J50
C 927	CCSQCH221J50
C 928	CKSYF226Z10
C 929	CKSYF226Z10
C 930	CKSRYF104Z50

Circuit Symbol and No.		Part No.

B

Unit Number : EBR33834403(RE,RD,RI)

Unit Name : PCB Assembly,Front

MISCELLANEOUS

IC 901	IC	0ILNRPY003B
RMC1	REMOTE IC	6712R2038GP
L 901	Inductor	0LCCE00005N
L 902	Inductor	0LCCE00005N
SW901	Push Switch	EBF00183902
SW902	Push Switch	EBF00183902
SW903	Push Switch	EBF00183902
SW904	Push Switch	EBF00183902
SW905	Push Switch	EBF00183902
SW906	Push Switch	EBF00183902
SW907	Push Switch	EBF00183902
SW908	Push Switch	EBF00183902
SW909	Push Switch	EBF00183902
SW911	Push Switch	EBF00183902
SW912	Push Switch	EBF00183902
SW913	Push Switch	EBF00183902
SW914	Push Switch	EBF00183902
SW915	Push Switch	EBF00183902
SW916	Push Switch	EBF00183902
SW917	Push Switch	EBF00183902
SW918	Push Switch	EBF00183902
LD915	LED	EAV34144001
LD914	LED	EAV34144001
LD913	LED	EAV34144001
LD912	LED	EAV34144001
LD911	LED	EAV34144001
LD909	LED	EAV34144001
LD907	LED	EAV34144001
LD906	LED	EAV34144001
LD916	LED	EAV34144001
LD918	LED	EAV34144001
LD908	LED	EAV34144001
LD919	LED	EAV34144001
LD920	LED	EAV34144001
LD921	LED	EAV34144001
LD922	LED	EAV34144001
LD923	LED	EAV34144001
LD991	LED	EAV38097601
LD992	LED	EAV38097601
LD917	LED	EAV34144001
ZD904	Diode	0DZKE00318A
ZD909	Diode	0DZKE00318A
ZD908	Diode	0DZKE00318A
ZD907	Diode	0DZKE00318A
ZD906	Diode	0DZKE00318A
	LCD	6304TRC014C
LD901	LED	EAV34144001
ZD903	Diode	0DZKE00318A
ZD902	Diode	0DZKE00188A
ZD901	Diode	0DZKE00188A
LD910	LED	EAV34144001
ZD905	Diode	0DZKE00318A
LD905	LED	EAV34144001
LD904	LED	EAV34144001
LD903	LED	EAV34144001

Circuit Symbol and No.		Part No.
LD902	LED	EAV34144001
EV901	ENCODER	EBF33642402
CN502	Connector	EAG35850401
CN503	Connector	6630V90135A

RESISTORS

R 901	RS1/10SR681J
R 902	RS1/10SR681J
R 903	RS1/10SR681J
R 904	RS1/10SR222J
R 905	RS1/10SR473J
R 906	RS1/8SQ470J
R 912	RS1/8SQ152J
R 913	RS1/8SQ152J
R 914	RS1/8SQ122J
R 915	RS1/8SQ152J
R 916	RS1/8SQ222J
R 917	RS1/8SQ332J
R 918	RS1/8SQ472J
R 919	RS1/8SQ822J
R 920	RS1/8SQ153J
R 921	RS1/8SQ273J
R 922	RS1/10SR103J
R 923	RS1/8SQ122J
R 924	RS1/8SQ152J
R 925	RS1/8SQ222J
R 926	RS1/8SQ332J
R 927	RS1/8SQ472J
R 928	RS1/8SQ822J
R 929	RS1/8SQ153J
R 930	RS1/8SQ273J
R 931	RS1/10SR122J
R 932	RS1/10SR103J
R 933	RS1/10SR122J
R 940	RS1/10SR100J
R 960	RS1/8SQ472J
R 961	RS1/8SQ223J
R 962	RS1/8SQ223J
R 963	RS1/8SQ272J
R 964	RS1/8SQ472J
R 965	RS1/8SQ432J
R 966	RS1/8SQ432J
R 967	RS1/8SQ562J
R 968	RS1/8SQ752J
R 969	RS1/8SQ562J
R 970	RS1/8SQ512J
R 971	RS1/8SQ562J
R 972	RS1/8SQ151J
R 973	RS1/8SQ151J
R 974	RS1/8SQ622J
R 975	RS1/8SQ163J

CAPACITORS

C 901	CKSRYB102K50
C 902	CKSRYF105Z16
C 906	CKSRYF104Z50
C 909	CCSRCH330J50
C 910	CCSRCH330J50
C 911	CCSRCH330J50
C 922	CCSQCH100D50
C 923	CCSQCH100D50
C 926	CCSQCH221J50
C 927	CCSQCH221J50
C 928	CKSYF226Z10
C 929	CKSYF226Z10
C 930	CKSRYF104Z50

B

Unit Number : EBR33834404(RC)
Unit Name : PCB Assembly,Front

MISCELLANEOUS

IC 901	IC	0ILNRPY003B
RMC1	REMOTE IC	6712R2038GP
L 901	Inductor	0LCCE00005N
L 902	Inductor	0LCCE00005N
SW901	Push Switch	EBF00183902
SW902	Push Switch	EBF00183902
SW903	Push Switch	EBF00183902
SW904	Push Switch	EBF00183902
SW905	Push Switch	EBF00183902
SW906	Push Switch	EBF00183902
SW907	Push Switch	EBF00183902
SW908	Push Switch	EBF00183902
SW909	Push Switch	EBF00183902
SW911	Push Switch	EBF00183902
SW912	Push Switch	EBF00183902
SW913	Push Switch	EBF00183902
SW914	Push Switch	EBF00183902
SW915	Push Switch	EBF00183902
SW916	Push Switch	EBF00183902
SW917	Push Switch	EBF00183902
SW918	Push Switch	EBF00183902
ZD907	Diode	0DZKE00318A
ZD901	Diode	0DZKE00188A
LD908	LED	EAV36884201
LD907	LED	EAV36884201
LD906	LED	EAV36884201
LD905	LED	EAV36884201
LD912	LED	EAV36884201
LD904	LED	EAV36884201
LD903	LED	EAV36884201
LD902	LED	EAV34144001
LD911	LED	EAV36884201
LD910	LED	EAV36884201
LD909	LED	EAV36884201
	LCD	6304TRC014C
ZD905	Diode	0DZKE00318A
ZD906	Diode	0DZKE00318A
ZD909	Diode	0DZKE00318A
ZD908	Diode	0DZKE00318A
LD901	LED	EAV34144001
LD919	LED	EAV36884201
ZD902	Diode	0DZKE00188A
ZD903	Diode	0DZKE00318A
ZD904	Diode	0DZKE00318A
LD992	LED	EAV36884201
LD991	LED	EAV36884201
LD923	LED	EAV36884201
LD922	LED	EAV36884201
LD920	LED	EAV36884201

Circuit Symbol and No.		Part No.
LD913	LED	EAV36884201
LD918	LED	EAV36884201
LD917	LED	EAV36884201
LD914	LED	EAV36884201
LD921	LED	EAV36884201
LD916	LED	EAV36884201
LD915	LED	EAV36884201
EV901	ENCODER	EBF33642402
CN502	Connector	EAG35850401
CN503	Connector	6630V90135A

RESISTORS

R 901	RS1/10SR681J
R 902	RS1/10SR681J
R 903	RS1/10SR681J
R 904	RS1/10SR222J
R 905	RS1/10SR473J
R 906	RS1/8SQ470J
R 912	RS1/8SQ152J
R 913	RS1/8SQ152J
R 914	RS1/8SQ122J
R 915	RS1/8SQ152J
R 916	RS1/8SQ222J
R 917	RS1/8SQ332J
R 918	RS1/8SQ472J
R 919	RS1/8SQ822J
R 920	RS1/8SQ153J
R 921	RS1/8SQ273J
R 922	RS1/10SR103J
R 923	RS1/8SQ122J
R 924	RS1/8SQ152J
R 925	RS1/8SQ222J
R 926	RS1/8SQ332J
R 927	RS1/8SQ472J
R 928	RS1/8SQ822J
R 929	RS1/8SQ153J
R 930	RS1/8SQ273J
R 931	RS1/10SR122J
R 932	RS1/10SR103J
R 933	RS1/10SR122J
R 940	RS1/10SR100J
R 960	RS1/8SQ561J
R 961	RS1/8SQ272J
R 962	RS1/8SQ272J
R 963	RS1/8SQ561J
R 964	RS1/8SQ561J
R 965	RS1/8SQ471J
R 966	RS1/8SQ561J
R 967	RS1/8SQ561J
R 968	RS1/8SQ751J
R 969	RS1/8SQ511J
R 970	RS1/8SQ511J
R 971	RS1/8SQ511J
R 972	RS1/8SQ151J
R 973	RS1/8SQ151J
R 974	RS1/8SQ621J
R 975	RS1/8SQ182J

CAPACITORS

C 901	CKSRYB102K50
C 902	CKSRYF105Z16
C 906	CKSRYF104Z50
C 909	CCSRCH330J50
C 910	CCSRCH330J50
C 911	CCSRCH330J50
C 922	CCSQCH100D50
C 923	CCSQCH100D50
C 926	CCSQCH221J50
C 927	CCSQCH221J50
C 928	CKSYF226Z10
C 929	CKSYF226Z10
C 930	CKSRYF104Z50

C

Unit Number : EBR39188601(EW5)
Unit Number : EBR39188602(RE)
Unit Number : EBR39188605(RC)
Unit Number : EBR39188603(RD)
Unit Number : EBR39188604(RI)
Unit Name : Option Code Assembly

MISCELLANEOUS

IC 1201	IC	AN41204A
IC 1202	IC	0ILNR00186A
IC 1301	IC	MN2DS0016AAUB
IC 1401	IC	PCM1742KE
IC 1402	IC	0ILNRAU017A
IC 1501	IC	0IMMRHY015E
IC 1502	IC	SAA30900215
IC 1601	IC	EAN36697601
IC 1602	IC	0IKE780500S
IC 1603	IC	MM1510XN
IC 1604	IC	0ISTLPH028A
Q 1101	Transistor	IMT17
Q 1102	Transistor	UMC5N
Q 1103	FET	UM5K1N
Q 1104	Transistor	DTC114YK
Q 1303	Transistor	0TR387509AC
Q 1304	Transistor	0TR387509AC
Q 1401	Transistor	0TRKE80037A
Q 1402	Transistor	0TR201409BA
Q 1403	Transistor	0TR201409BA
Q 1404	Transistor	0TR201409BA
Q 1405	Transistor	0TRKE80037A
Q 1406	Transistor	0TR201409BA
Q 1407	Transistor	0TRKE80037A
Q 1408	Transistor	0TRKE80037A
Q 1409	Transistor	0TRKE80037A
D 1401	Diode	0DD193009AB
D 1402	Diode	0DD193009AB
D 1403	Diode	DAP202K
L 1101	Inductor	0LCCE00005N
L 1201	Inductor	0LCCE00005N
L 1202	Inductor	0LCCE00005N
L 1301	Inductor	0LCCE00005N
L 1302	Inductor	0LCCE00005N
L 1303	Inductor	EAM36457001
L 1304	Inductor	EAM36457001
L 1305	Inductor	EAM36457001
L 1306	Inductor	EAM36457001
L 1308	Inductor	EAM36457001

Circuit Symbol and No.		Part No.
L 1309	Inductor	EAM36457001
L 1401	Inductor	0LCCE00004E
L 1402	Inductor	0LCCE00005N
L 1403	Inductor	0LCCE00005N
L 1404	Inductor	0LCCE00005N
L 1405	Inductor	0LCCE00005N
L 1501	Inductor	0LCCE00005N
L 1502	Inductor	0LCCE00005N
L 1503	Inductor	EAM36457001
L 1504	Inductor	0LCCE00005N
L 1505	Inductor	EAM36457001
L 1601	Inductor	0LCCE00005N
L 1602	Inductor	0LCCE00005N
L 1603	Inductor	0LCCE00005N
L 1604	Inductor	0LCCE00005N
L 1605	Inductor	0LCCE00005N
L 1606	Inductor	EAM36457001
X 1301	Crystal Resonator 27MHz	6212AB4270C
SW1301	Switch,Detector	EBF37170701
AR1301		RAB4C103J
AR1501		RAB4C0R0J
AR1502		RAB4C0R0J
AR1503		RAB4C0R0J
AR1504		RAB4C330J
AR1505		RAB4C330J
AR1506		RAB4C330J
AR1507		RAB4C330J
CN1101	Connector	6630R-FA06X
CN1201	Connector	EAG30608201
CN1202	Connector	6630X60027M
CN1203	Connector	6630V90161A
CN1301	Connector	6630X60159A
CN1601	Connector	EAG33704502

RESISTORS

R 1101	RS1/10SR104J
R 1108	RS1/10SR2R2J
R 1109	RS1/10SR4R7J
R 1110	RS1/8SQ100J
R 1111	RS1/8SQ100J
R 1112	RS1/10SR4R7J
R 1113	RS1/10SR103J
R 1201	RS1/10SR101J
R 1202	RS1/10SR101J
R 1205	RS1/10SR471J
R 1206	RS1/10SR153J
R 1207	RS1/10SR471J
R 1208	RS1/10SR153J
R 1209	0RJ0220G672
R 1211	RS1/10SR222J
R 1212	RS1/10SR362J
R 1215	RS1/10SR103J
R 1308	RS1/10SR103J
R 1311	RS1/8SQ100J
R 1312	RS1/10SR102J
R 1313	RS1/10SR102J
R 1314	RS1/10SR101J
R 1315	RS1/10SR101J
R 1316	RS1/10SR101J
R 1317	RS1/10SR471J
R 1318	RS1/10SR105J
R 1319	RS1/10SR2201F
R 1320	RS1/10SR1002F
R 1321	RS1/10SR1500F
R 1323	RS1/10SR203J
R 1324	RS1/10SR2201F
R 1325	RS1/10SR203J
R 1326	RS1/8SQ2402F
R 1328	RS1/10SR0R0J
R 1330	RS1/10SR0R0J
R 1335	RS1/10SR2002F
R 1340	RS1/10SR103J
R 1342	RS1/10SR102J
R 1344	RS1/10SR102J
R 1358	RS1/10SR103J
R 1359	RS1/10SR203J
R 1360	RS1/10SR470J
R 1376	RS1/10SR681J
R 1379	RS1/10SR101J
R 1380	RS1/10SR101J
R 1381	RS1/10SR101J
R 1382	RS1/10SR101J
R 1385	RS1/10SR471J
R 1386	RS1/10SR471J
R 1387	RS1/10SR103J
R 1388	RS1/10SR681J
R 1389	RS1/10SR103J
R 1390	RS1/10SR103J
R 1391	RS1/10SR103J
R 1396	RS1/10SR103J
R 1397	RS1/10SR103J
R 1398	RS1/10SR8R2J
R 1401	RS1/10SR75R0F
R 1402	RS1/10SR102J
R 1403	RS1/10SR102J
R 1404	RS1/10SR103J
R 1405	RS1/10SR392J
R 1406	RS1/10SR392J
R 1407	RS1/10SR103J
R 1408	RS1/10SR223J
R 1409	RS1/10SR103J
R 1410	RS1/10SR103J
R 1411	RS1/10SR752J
R 1412	RS1/10SR752J
R 1413	RS1/10SR123J
R 1414	RS1/10SR123J
R 1415	RS1/10SR472J
R 1416	RS1/10SR102J
R 1417	RS1/10SR102J
R 1418	RS1/10SR221J
R 1419	RS1/10SR221J
R 1422	RS1/10SR471J
R 1423	RS1/10SR471J
R 1424	RS1/10SR471J
R 1425	RS1/10SR822J
R 1426	RS1/10SR103J
R 1428	RS1/10SR820J
R 1501	RS1/10SR3002F
R 1507	RS1/10SR472J
R 1508	RS1/10SR103J
R 1509	RS1/10SR103J

Circuit Symbol and No.	Part No.
R 1510	RS1/10SR272J
R 1511	RS1/10SR272J
R 1512	RS1/10SR0R0J
R 1513	RS1/10SR103J
R 1514	RS1/10SR103J
R 1515	RS1/10SR75R0F
R 1601	RS1/10SR470J
R 1603	RS1/10SR101J
R 1605	RS1/10SR101J
R 1606	RS1/10SR103J
R 1629	RS1/10SR0R0J
R 1651	RS1/10SR103J
R 1652	RS1/10SR103J
R 1653	RS1/10SR821J
R 1654	RS1/10SR821J
R 1655	RS1/10SR472J
R 1656	RS1/10SR472J
R 1657	RS1/8SQ0R0J
R 1658	RS1/10SR0R0J
R 1659	RS1/10SR0R0J
R 1660	RS1/10SR6R8J
R 1661	RS1/10SR6R8J

CAPACITORS

C 1101	CCSRCH101J50
C 1102	CCSRCH101J50
C 1103	CCSRCH101J50
C 1104	0CK104CHG6A
C 1105	0CK104CHG6A
C 1106	0CH1103K562
C 1107	0CH1103K562
C 1110	CKSRYB105K10
C 1111	CKSRYB105K10
C 1114	0CK104CHG6A
C 1115	0CK104CHG6A
C 1116	0CK104CHG6A
C 1117	0CK104CHG6A
C 1118	CKSRYB225K16
C 1119	CKSRYB225K16
C 1120	0CK104CHG6A
C 1121	0CZZB00019A
C 1122	CKSRYB225K16
C 1207	0CK104CHG6A
C 1208	0CZZB00019A
C 1209	0CK104CHG6A
C 1210	0CK104CHG6A
C 1211	0CH1103K562
C 1212	0CH1103K562
C 1213	0CH1103K562
C 1214	0CH1103K562
C 1215	0CK104CHG6A
C 1216	0CK104CHG6A
C 1217	0CZZB00019A
C 1218	0CZZB00019A
C 1219	0CK104CHG6A
C 1220	0CZZB00019A
C 1221	0CZZB00019A
C 1301	0CK104CHG6A
C 1302	0CK104CHG6A
C 1303	0CK104CHG6A
C 1304	0CK104CHG6A

Circuit Symbol and No.	Part No.
C 1305	0CK104CHG6A
C 1306	0CK104CHG6A
C 1307	0CK104CHG6A
C 1308	0CK104CHG6A
C 1309	0CK104CHG6A
C 1310	0CK104CHG6A
C 1311	0CK104CHG6A
C 1312	0CK104CHG6A
C 1313	CKSYB226K6R3
C 1314	0CK104CHG6A
C 1315	CKSYB226K6R3
C 1316	0CK104CHG6A
C 1317	0CK104CHG6A
C 1318	0CK104CHG6A
C 1319	0CK104CHG6A
C 1320	0CK104CHG6A
C 1321	CKSRYB105K10
C 1322	0CK104CHG6A
C 1323	CKSRYB105K10
C 1324	0CK104CHG6A
C 1325	CEVQW470M16
C 1326	0CE107SF6DC
C 1327	CEVQW470M16
C 1330	0CH1471K462
C 1331	0CH1471K462
C 1332	0CH1471K462
C 1333	0CH1471K462
C 1341	CCSRCH101J50
C 1342	CCSRCH101J50
C 1345	CCSRCH151J50
C 1346	CCSRCH151J50
C 1347	0CH1103K562
C 1348	CKSRYB225K16
C 1349	0CH1103K562
C 1350	CKSRYB225K16
C 1351	0CK104CHG6A
C 1352	0CK104CHG6A
C 1353	0CK104CHG6A
C 1354	0CH1333K562
C 1355	0CK104CHG6A
C 1356	0CH1562K562
C 1357	0CH1183F562
C 1358	0CK104CHG6A
C 1359	0CK104CHG6A
C 1360	0CK104CHG6A
C 1361	0CK104CHG6A
C 1362	CKSYB226K6R3
C 1363	0CK104CHG6A
C 1364	0CK104CHG6A
C 1367	0CH1333K562
C 1368	0CH1333K562
C 1369	0CH1223K562
C 1370	CCSRCH300J50
C 1371	CCSRCH300J50
C 1379	0CK104CHG6A
C 1380	0CZZB00019A
C 1381	0CK104CHG6A
C 1382	CKSYB475K16
C 1383	CKSYB475K16
C 1384	CCSRCH470J50
C 1385	CCSRCH470J50

Circuit Symbol and No.	Part No.
C 1386	CCSRCH470J50
C 1387	0CE107SF6DC
C 1389	0CK104CHG6A
C 1390	0CK104CHG6A
C 1391	0CK104CHG6A
C 1401	0CZZB00019A
C 1402	0CK104CHG6A
C 1403	0CZZB00019A
C 1404	0CK104CHG6A
C 1405	0CZZB00019A
C 1406	0CZZB00019A
C 1407	0CZZB00019A
C 1408	0CZZB00019A
C 1409	0CH1102K562
C 1410	0CH1102K562
C 1411	0CK226ED94A
C 1412	0CK226ED94A
C 1413	CCSRCH101J50
C 1414	CCSRCH101J50
C 1415	0CH8476H621
C 1416	CKSYB475K16
C 1417	CKSYB475K16
C 1418	0CK104CHG6A
C 1419	CCSRCH331J50
C 1420	CCSRCH331J50
C 1421	CCSRCH120J50
C 1434	CCSRCH470J50
C 1435	CCSRCH470J50
C 1501	0CZZB00019A
C 1502	0CK104CHG6A
C 1503	0CK104CHG6A
C 1504	0CK104CHG6A
C 1505	0CK104CHG6A
C 1506	0CK104CHG6A
C 1508	0CK104CHG6A
C 1509	0CZZB00019A
C 1510	0CK104CHG6A
C 1511	0CK104CHG6A
C 1512	CKSRYB225K16
C 1513	0CZZB00019A
C 1514	CK60SRYB105K10
C 1515	CEVQW220M16
C 1516	CEVQW221M6R3
C 1517	0CK104CHG6A
C 1518	0CH8476H621
C 1601	0CZZB00019A
C 1602	0CK104CHG6A
C 1603	0CK104CHG6A
C 1604	0CZZB00019A
C 1610	0CK104CHG6A
C 1611	0CE107SF6DC
C 1612	0CK104CHG6A
C 1613	0CE107SF6DC
C 1614	0CK104CHG6A
C 1615	0CZZB00019A
C 1617	0CE107SF6DC
C 1618	0CK104CHG6A
C 1619	CEVQW470M16
C 1621	0CK104CHG6A
C 1623	0CK104CHG6A
C 1624	0CZZB00019A
C 1625	0CK104CHG6A
C 1626	0CZZB00019A
C 1627	0CK104CHG6A
C 1628	CCSRCH221J50
C 1630	0CK104CHG6A
C 1631	0CK104CHG6A
C 1632	0CK104CHG6A
C 1633	0CK104CHG6A
C 1634	0CK104CHG6A
C 1635	0CK104CHG6A
C 1636	0CK104CHG6A
C 1637	0CK104CHG6A
C 1638	0CK104CHG6A
C 1639	CCSRCH470J50
C 1640	0CK104CHG6A

Miscellaneous Parts List

⚠	Fuse(10 A)	CEK1326
FAN1	Fan Module	5900R-D022A